

Year Book
OF
THE NATIONAL ASSOCIATION OF
COTTON MANUFACTURERS
1927

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WILLIAM B. MACCOLL

President, 1925-27

Year Book
of
THE NATIONAL ASSOCIATION OF
COTTON MANUFACTURERS

1927



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THE NATIONAL ASSOCIATION OF COTTON MANUFACTURERS

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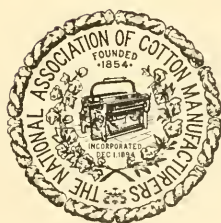
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Year Book
of
THE NATIONAL ASSOCIATION OF
COTTON MANUFACTURERS

1927



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FOREWORD

The 1927 edition of the Year Book of The National Association of Cotton Manufacturers should prove of interest and value to our membership. A number of new tables have been added, which make this edition the most complete statistical manual that has been published by the Association. There is still room for further improvements in the book, and your criticisms or suggestions will be appreciated.

WILLIAM B. MACCOLL,
President.

PREFACE

In compiling this, the tenth edition of the Year Book of The National Association of Cotton Manufacturers, the same ideas and objectives that governed the preparation of the preceding issues have been followed.

The past decade has witnessed an increase in the interest, appreciation and use of statistics. The demand for broader and more accurate information has resulted in the collection and dissemination of large quantities of data by many governmental departments in this country and abroad and by many private concerns. From a lack of information the situation has reversed itself, and now the layman is confronted with the difficult task of locating and sorting out the specific information desired from the many figures obtainable. The Year Book presents in a concise, condensed form a summary of practically all of the reliable figures that would be of use to a cotton manufacturer. It has been brought up to date with each edition and more data added as it became available.

This book is primarily for the use of our members. Criticism by the users of this book of the method of presenting the material or suggestions on data that might be included will add materially to the value of future editions.

RUSSELL T. FISHER,
Secretary.

CHARTER

No. 6091

Commonwealth of Massachusetts

BE IT KNOWN that whereas, EDWARD W. THOMAS, C. J. H. WOODBURY, WILLIAM J. KENT, F. M. MESSENGER, HARRY T. WHITIN, ARTHUR H. LOWE, ALBERT F. KNIGHT, ALFRED M. GOODALE, FRED C. McDUFFIE and GEORGE W. BEAN have associated themselves with the intention of forming a corporation under the name of the NEW ENGLAND COTTON MANUFACTURERS' ASSOCIATION, for the purpose of encouraging scientific investigation and experiment as to the methods of manufacturing cotton; collecting and imparting information relating to this industry; promoting social intercourse among its members; and establishing and maintaining a library of works on textiles in the city of Boston, and have complied with the provisions of the Statutes of this Commonwealth in such case made and provided, as appears from the certificate of the President, Treasurer and Directors of said corporation, duly approved by the Commissioner of Corporations, and recorded in this office.

Now, Therefore, I, WILLIAM M. OLIN, Secretary of the Commonwealth of Massachusetts, do hereby certify that said EDWARD W. THOMAS, C. J. H. WOODBURY, WILLIAM J. KENT, F. M. MESSENGER, HARRY T. WHITIN, ARTHUR H. LOWE, ALBERT F. KNIGHT, ALFRED M. GOODALE, FRED C. McDUFFIE and GEORGE W. BEAN, their associates and successors, are legally organized and established as and are hereby made an existing corporation under the name of the

NEW ENGLAND COTTON MANUFACTURERS' ASSOCIATION,

with the powers, rights and privileges, and subject to the limitations, duties and restrictions which by law appertain thereto.

*Seal of the
Commonwealth
of
Massachusetts* Witness my official signature hereunto subscribed, and the seal of the Commonwealth of Massachusetts hereunto affixed this first day of December, in the year of our Lord one thousand eight hundred and ninety-four.

WILLIAM M. OLIN,
Secretary of the Commonwealth.

Commonwealth of Massachusetts

(Acts of 1895, Chap. 163.)

AN ACT TO AUTHORIZE THE NEW ENGLAND COTTON MANUFACTURERS' ASSOCIATION TO HOLD ITS MEETINGS WITHOUT THE COMMONWEALTH.

Be it enacted, etc., as follows:

SECTION 1. The New England Cotton Manufacturers' Association is hereby authorized to hold its meetings in any state or territory of the United States and in the District of Columbia; provided, however, that its annual meeting shall be held in this Commonwealth at least once in five years.

SECTION 2. This act shall take effect upon its passage. [Approved March 23, 1895.]

No. 252

Commonwealth of Massachusetts

BE IT KNOWN that whereas

NEW ENGLAND COTTON MANUFACTURERS' ASSOCIATION

a corporation organized under the laws of this Commonwealth and subject to the provisions of chapter one hundred and twenty-five of the Revised Laws has complied with the provisions of chapter one hundred and nine of the Revised Laws, as appears from the certified copy of the order of the Commissioner of Corporations, authorizing said corporation to change its name and adopt the name of

THE NATIONAL ASSOCIATION OF COTTON MANUFACTURERS, and the certificate of the Vice President and Acting President, Treasurer and Directors of said corporation duly filed in this office pursuant to the provisions of section ten of the aforesaid chapter one hundred and nine of the Revised Laws.

NOW, THEREFORE, I, William M. Olin, Secretary of the Commonwealth of Massachusetts, DO HEREBY CERTIFY, that the name which said corporation shall bear is

THE NATIONAL ASSOCIATION OF COTTON MANUFACTURERS, which shall hereafter be its legal name.

Seal of the Commonwealth of Massachusetts WITNESS my official signature hereunto subscribed, and the Great Seal of the Commonwealth of Massachusetts hereunto affixed this twenty-fifth day of June in the year of our Lord one thousand nine hundred and six.

WM. M. OLIN,
Secretary of the Commonwealth.

THE NATIONAL ASSOCIATION OF COTTON MANUFACTURERS

SUCCESSOR TO
NEW ENGLAND COTTON MANUFACTURERS' ASSOCIATION

FOUNDED 1854
INCORPORATED DECEMBER 1, 1894

CONSTITUTION AND BY-LAWS (Revised, November 1, 1923)

I

NAME

The name is THE NATIONAL ASSOCIATION OF COTTON MANUFACTURERS.

II

QUALIFICATIONS OF MEMBERS

Active Members

1. Any person who is actively engaged as President, Treasurer, Agent, Superintendent, or Manager in the manufacture, printing, or finishing of cottons shall be eligible for active membership.

Associate Members

2. Any person engaged in the manufacture of cotton or cotton fabrics, or the manufacture of textile machinery, or industries kindred to the cotton manufacture, shall be eligible for associate membership.

3. This class of membership shall be entitled to attend the meetings of the Association and participate in its proceedings without the right to vote except by permission from the Board of Government or by vote of the Association.

Sustaining Members

4. Any firm or corporation actively engaged in manufacturing, bleaching, printing, or finishing of cotton, or any firm or corporation actively engaged in a business contributory to the cotton manufacturing industry, shall be eligible for sustaining membership.

5. The executive head of a firm or corporation, so elected, or any duly authorized representative thereof, shall represent its sustaining membership in the Association.

6. Sustaining members shall enjoy the full privilege of active membership and in addition shall be entitled to such direct service as the Association may be able to render by its technical and statistical or other departments under such regulations as the Board of Government may prescribe.

Honorary Members

7. Honorary members shall be recommended by the Board of Government and may be elected at any duly called meeting of the Association. They shall be entitled to attend the meetings of the Association and participate in its proceedings without the right to vote. No person actively engaged in cotton manufacture shall be eligible to such membership.

Life Members

8. Any active or associate member by the single payment of a sum equal to ten times the amount of his annual dues, shall be exempt from all future payment of dues and shall become a life member and shall have all the privileges to which his class of membership is entitled.

9. The minimum dues for a life member shall be one hundred dollars.

10. All moneys thus paid shall be invested as a permanent fund by the Treasurer, acting under the direction of the Board of Government, of which the income only shall be subject to appropriation for current expenses.

Technical Members

11. Any person over twenty-five years of age (except those designated under Article II, Sections 1 and 2) engaged in the manufacture, bleaching, printing, finishing, or distribution of cotton products; or in any industry contributory to cotton manufacture, including the manufacture and installation of cotton machinery; or who is employed in a school or college giving instruction in the manufacture of cotton goods and accessory industries; or by a technical laboratory or textile engineering organization, shall be eligible to technical membership.

Junior Technical Members

12. Any junior or senior student of a school or college giving instruction in textile manufacture, or any employee, under twenty-five years of age and not a textile school graduate, engaged in the supervision of cotton manufacture, bleaching, printing, or finishing, shall be eligible as a junior technical member. A student junior technical member upon graduation, and an employee junior technical member upon attaining his twenty-fifth birthday, shall automatically become a technical member of the Association and

shall be subject to the same conditions and receive the same privileges as other technical members.

13. It shall be the duty of all members of the Association to make returns to the Secretary of such statistics as may be called for by him, under the direction of any committee duly appointed for the collection of statistics, when not incompatible with private interests.

III

OFFICERS

1. The officers shall be a President, two Vice Presidents, fifteen Directors, a Treasurer, and a Secretary.

2. The PRESIDENT, and in his absence a VICE PRESIDENT, shall preside at all meetings of the Association and of the Board of Government.

3. The TREASURER, or a deputy whom he may appoint with the approval of the Board of Government, shall collect all moneys due the Association and disburse the same in accordance with the action of the Board of Government. He shall keep an accurate account of all receipts and expenditures and present a full account of the finances of the Association at the annual meeting in each year, or whenever called for by the Board of Government. He shall act as trustee of the permanent funds of the Association.

4. The SECRETARY shall attend all meetings of the Association and the Board of Government and keep accurate records of their doings. In the absence of the Secretary at any meeting, a Secretary pro tem may be appointed by the presiding officer, who shall be sworn to do all things, while in office, required of the Secretary.

5. Any officer who shall unreasonably absent himself from three consecutive meetings of the Board of Government of which he is a member, or shall otherwise neglect or refuse to perform the duties of his office, may be removed from office at any regular meeting of the Board of Government by a vote of a majority of the members present and voting thereon, a notice of such proposed action to be sent to him by mail at least one week previous to the meeting.

IV

BOARD OF GOVERNMENT

1. The President, Vice Presidents, and Directors, in addition to the Presidents who have held office during six years previous to the annual meeting of any year, shall constitute a BOARD OF GOVERNMENT and have under its care and direction all matters pertaining to the management of the Association.

2. Meetings of the Board may be called by the President at such time and place as he may deem expedient, giving each member a written or printed notice of the same at least five days before the day of the meeting.

3. At the first meeting of the Board after the Annual Meeting, a Treasurer, a Secretary, and an Auditor of Accounts for the year

ensuing shall be elected. The Board shall also fix the amount of the compensation of the Secretary at this meeting.

4. All vacancies in the Board, occasioned by death, resignation, or removal, shall be filled by the Board; and the persons so elected shall hold their offices until the next Annual Meeting, except as provided in Article III, Section 5.

5. At the first meeting of the Board, or as soon after as practical, the President, with its approval, shall appoint from its membership an Executive Committee of seven, which shall exercise authority in such matters as may be delegated to it by the Board. The President shall be Chairman of this Committee.

6. The President shall appoint from the general membership of the Association such other committees as in his judgment can most effectively serve its needs and interests. All committees so appointed shall report their conclusions, whenever the particular matter dealt with involves the policy of the Association or the expenditure of money, to the Board of Government.

7. The Auditor shall examine the accounts of the Treasurer annually, and report at the annual meeting his findings.

8. No committee or member thereof shall make public any matter in connection with the work of the Association without the approval of the Board of Government.

9. Seven members shall constitute a quorum for the transaction of business.

V

MEETINGS

1. The Annual Meeting of the Association shall be held the last Wednesday in October, or at such other time and at such hour and place as the Board of Government shall appoint.

2. The Board of Government shall arrange for a Semi-Annual Meeting of the Association to be held in April or at such other time and at such hour and place as the Board of Government shall appoint.

3. Special meetings shall be called by the Board of Government whenever it deems it expedient or upon written application of any fifty members to the Secretary.

4. All meetings of the members of the Association shall be in pursuance of a written or printed notice, addressed to each member, with the name of the President, or Secretary, attached thereto, and deposited in the Post Office ten days at least before the day of meeting, specifying the time and place of meeting; and at all such meetings twenty-five members shall constitute a quorum for the transaction of business.

VI

ELECTIONS

1. At each Annual Meeting there shall be chosen by ballot, a President, a first Vice President, a second Vice President, and five Directors; the President and Vice Presidents to serve one year and

the five Directors for terms of three years unless sooner removed, as hereinbefore provided.

2. No Director, elected as such, who has to his credit six years of consecutive service, shall be eligible for re-election until one year after the completion of such service.

3. The officers shall hold their respective offices until their successors shall be chosen and accept their positions.

VII

ELECTION OF MEMBERS

All nominations for membership of any class in the Association shall be made in writing and presented to the Board of Government for action thereon. Upon favorable action by the Board of Government the nominee shall become a member upon the payment, within thirty days, of the initiation fee and dues of his class.

VIII

ENTRANCE FEES, DUES AND ASSESSMENTS

1. The admission fee for active members shall be ten dollars and the payment of annual dues not exceeding ten dollars.

2. The admission fee for associate members shall be twenty-five dollars and the annual assessment shall be double the sum annually voted for active members.

3. The annual assessment for sustaining members shall be at the rate of twenty-five cents for each one thousand dollars of yearly payroll paid by such firm or corporation during the previous year in all its departments actively engaged in the manufacture of cotton goods or in contributory industries; provided that no annual assessment shall be less than fifty or more than five hundred dollars. There shall be no initiation fee for sustaining members.

4. Honorary members shall not be subject to payment of admission fees or assessments.

5. The admission fee for technical members shall be ten dollars and the annual dues five dollars.

6. Junior technical members shall pay no admission fee and the annual dues shall be three dollars.

7. Dues in the active, associate, technical, and junior technical membership classes shall be paid in advance on the first day of January of each year. The annual assessment for sustaining members is payable in advance upon the anniversary of such membership.

8. Any member failing to pay two successive assessments shall cease to be a member at the end of six months from the date when such second assessment shall become due.

IX

RESIGNATIONS

Any member may withdraw from the Association upon payment of all arrearages, first giving notice of his intention to do so, in writing, to the Secretary, and the Board of Government may accept such resignation.

X

SUSPENSION OR EXPULSION

Any member may be suspended or expelled for cause at any duly called meeting of the Board of Government by a two-thirds vote of the members present, provided he has been notified of the charges against him and an opportunity given him to appear in his defense.

XI

NATIONAL COUNCIL OF AMERICAN COTTON MANUFACTURERS

1. The Board of Government may co-operate with the American Cotton Manufacturers' Association in matters of national scope and importance through the National Council of American Cotton Manufacturers (composed of representatives of The American Cotton Manufacturers' Association and an equal number from this Association) in such manner and to such an extent as it may from time to time determine to be for the best interests of the cotton manufacturing industry, and may delegate to the Council authority to act for this Association on such matters of national importance as may be mutually agreed upon by the Boards of Government of the constituent associations.

2. The representatives of this Association in the National Council shall be the seven following: The President of the Association (ex-officio), the last three living past presidents (ex-officiis), and three others elected by the Board of Government from the sustaining membership of the Association. At the first election under this article, the Board of Government shall elect representatives to serve one, two, and three years, respectively. Thereafter one representative shall be elected each year to serve a term of three years.

3. The Board of Government, from the moneys received as dues from sustaining members, may contribute to the National Council for the support of its work at such times and in such manner as may be deemed necessary or desirable by a majority of the Board of Government.

XII

AMENDMENTS

Amendments to the Constitution and By-Laws may be made at any duly called meeting of the Association by a two-thirds vote; provided, notice of such proposed amendment be given in writing at a previous meeting, and also notice be given to each member by the Secretary, of the pendency of such amendment, ten days at least before any such meeting.

BOARD OF GOVERNMENT

1927

PRESIDENT

WILLIAM B. MacCOLL . . . PAWTUCKET, R. I.

VICE PRESIDENTS

RUSSELL H. LEONARD . . . BOSTON, MASS.
 JOHN A. SWEETSER . . . NEW YORK CITY

DIRECTORS

Term expires 1927

W. IRVING BULLARD . . . BOSTON, MASS.
 JOHN L. BURTON . . . NEW BEDFORD, MASS.
 JOHN S. LAWRENCE . . . BOSTON, MASS.
 JAMES SINCLAIR . . . FALL RIVER, MASS.
 E. KENT SWIFT . . . WHITINSVILLE, MASS.

Term expires 1928

C. F. BROUGHTON . . . NEW BEDFORD, MASS.
 A. E. COLBY . . . BOSTON, MASS.
 PHILIP DANA . . . WESTBROOK, ME.
 JOHN A. PERKINS . . . COHOES, N. Y.
 JAMES O. THOMPSON, JR. . . NEW BEDFORD, MASS.

Term expires 1929

S. HAROLD GREENE . . . BOSTON, MASS.
 ERNEST N. HOOD . . . SALEM, MASS.
 W. S. PEPPERELL . . . PROVIDENCE, R. I.
 FRED W. STEELE . . . BOSTON, MASS.
 DEXTER STEVENS . . . ESOMOND, R. I.

FORMER PRESIDENTS EX-OFFICIO

RUSSELL B. LOWE . . . FITCHBURG, MASS.
 ROBERT AMORY . . . BOSTON, MASS.
 MORGAN BUTLER . . . BOSTON, MASS.

TREASURER

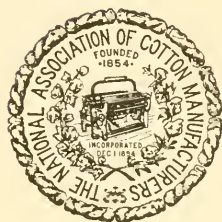
W. IRVING BULLARD . . . BOSTON, MASS.

SECRETARY

RUSSELL T. FISHER . . . BOSTON, MASS.

STATISTICAL — TECHNICAL
AND MEMBERSHIP

1927





STATISTICAL

FOREWORD

In submitting the Statistical Section of The National Association of Cotton Manufacturers Year Book for the year 1927, we trust that the members of the Association will find it useful.

We have tried to incorporate all statistics which we feel will be helpful. There are undoubtedly other statistics which members would like to have incorporated, and we welcome suggestions along this line.

P. D. HOWE, *Chairman,*
Statistical Committee.

Acknowledgment of Co-operation

The preparation of the Statistical Section of this Year Book has been made possible by the generous co-operation of many governmental authorities in this country and abroad, and many firms and individuals in the cotton trade throughout the world. Special acknowledgment is due the Bureau of the Census and Bureau of Foreign and Domestic Commerce, especially, Textile Division, of the United States Department of Commerce; Weather Bureau, Bureau of Agricultural Economics, and Bureau of Entomology of the United States Department of Agriculture; Bureau of Labor Statistics and Women's Bureau of the United States Department of Labor; Egyptian Ministry of Agriculture; Egyptian Ministry of Finance; Indian Department of Statistics; British Board of Trade; New York Cotton Exchange; New Orleans Cotton Exchange; Liverpool Cotton Association; Manchester Cotton Association, Ltd.; Alexandria General Produce Association; New York *Daily News Record*; *Journal of Commerce*; *Textile World*; New Bedford *Standard*; *Textile Mercury*; Manchester *Guardian*; Comtelburo Ltd.'s Annual Cotton Hand Book; Shepperson's Cotton Facts; Merchants National Bank of Boston; International Federation of Master Cotton Spinners' and Manufacturers' Association; Fall River Cotton Manufacturers' Association; Japan Cotton Spinners' Association; Sanford & Kelley, New Bedford, Mass.; G. M. Haffards & Company, Fall River, Mass.; Frederick B. Macy & Company, New Bedford, Mass.; J. M. Prendergast & Co., Boston; The Viscose Co., New York; Silk Association of America; Garside Cotton Service, Boston, Mass.; and Association of Cotton Textile Merchants of New York, New York City, N. Y.

American Cotton in 1926

[Quantities in bales of lint cotton¹]

	Exports	Domestic Consumption	Spindles Active, Thousands	Spindle-Hours Operated in Millions	Per Cent of Single-shift Capacity	RANGE OF SPOT COTTON PRICES	
						Low	High
January .	749,967	583,192	32,803	8,359	98.7	20.40	21.25
February .	556,185	567,244	33,029	8,093	102.8	19.75	21.00
March .	519,732	634,593	33,233	9,163	102.1	19.05	19.60
April .	516,494	575,799	32,893	8,348	98.2	18.75	19.45
May .	419,459	516,758	32,267	7,506	88.9	18.70	19.35
June .	346,774	518,504	31,771	7,606	88.4	18.00	18.85
July .	365,522	460,918	31,082	6,770	78.9	17.85	19.35
August .	391,329	500,652	31,322	7,489	87.4	17.70	19.20
September	794,584	571,105	32,135	8,248	98.5	14.70	18.95
October .	1,369,820	568,532	32,593	8,370	98.9	12.45	14.30
November	1,486,224	583,950	32,587	8,480	101.2	12.60	13.10
December .	1,531,297	605,217	32,496	8,563	100.3	12.15	13.10
	9,047,387	6,686,464	—	—	—	12.15	21.25
<i>Year.</i>							
1925 .	8,526,864	6,422,748	32,621 ²	7,841 ²	92.7 ²	19.15	26.05
1924 .	6,794,786	5,521,662	31,109 ²	6,696 ²	78.3 ²	22.15	35.30
1923 .	5,279,165	6,521,322	34,681 ²	8,688 ²	78.9 ²	22.45	26.80

¹ Except exports, which include linters.

² Monthly average.

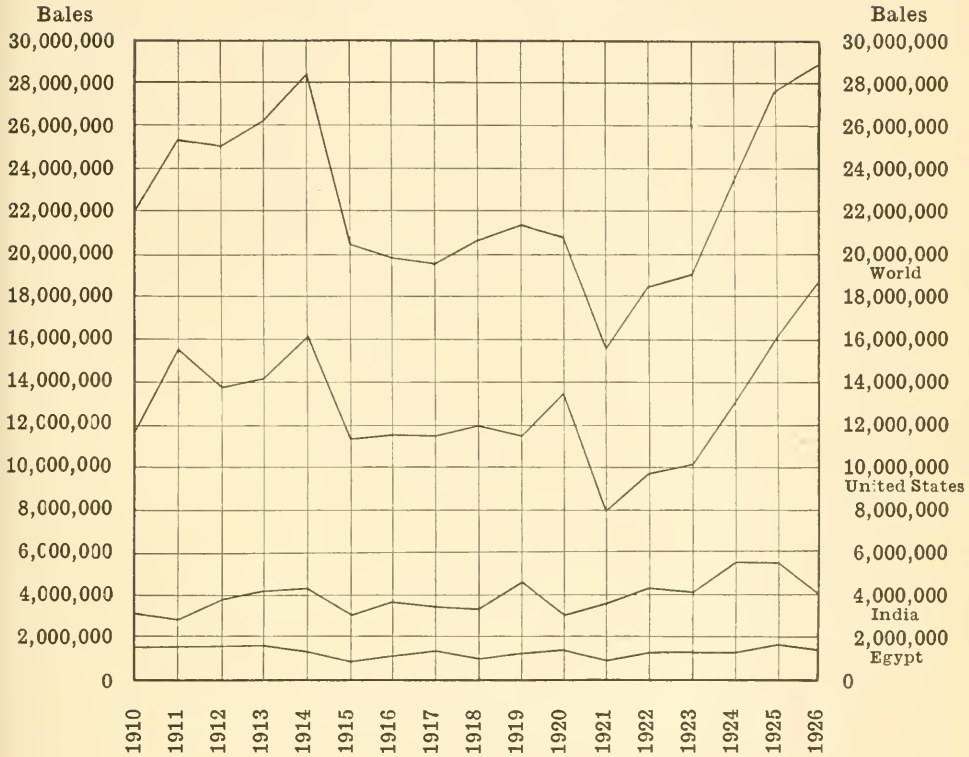
World Cotton Production and Consumption

[In bales of 47½ pounds lint]

Source: United States Department of Commerce

YEAR	World Production (Bales)	CONSUMPTION			PER CENT OF WORLD TOTAL CONSUMED BY —		
		World (Bales)	European (Bales)	United States (Bales)	Europe	United States	Other Countries
1909-10	16,988,000	19,164,000	10,295,000	4,530,000	54	24	22
1910-11	18,836,000	19,888,000	11,040,000	4,408,000	56	22	22
1911-12	22,247,000	21,534,000	11,998,000	5,026,000	56	23	21
1912-13	21,550,000	22,055,000	12,158,000	5,575,000	55	25	20
1913-14	22,612,000	22,198,000	12,020,000	5,465,000	54	25	21
1914-15	24,861,000	20,670,000	10,606,000	5,485,000	51	26	23
1915-16	18,461,000	21,978,000	10,878,000	6,270,000	50	28	22
1916-17	18,924,000	21,108,000	9,044,000	6,653,000	43	32	25
1917-18	18,141,000	18,515,000	6,621,000	6,435,000	36	35	29
1918-19	18,765,000	16,704,000	5,962,000	5,831,000	36	35	29
1919-20	20,220,000	19,300,000	7,700,000	6,485,000	40	34	26
1920-21	19,665,000	16,905,000	6,735,000	4,905,000	40	29	31
1921-22	15,334,000	19,990,000	7,916,000	5,910,000	39	30	31
1922-23	17,639,000	21,325,000	8,129,000	6,666,000	38	31	31
1923-24	19,005,000	19,982,000	8,393,000	5,681,000	42	28	30
1924-25	23,825,000	22,640,000	9,680,000	6,191,000	43	27	30
1925-26	23,618,000	23,940,000	10,031,000	6,456,000	42	27	31

World Cotton Production



The above chart is based on the table on the following page.

World Production of Cotton

[In bales of 475 pounds net]

Source: United States Department of Agriculture

YEAR	United States	India ¹	Russia	Egypt	China ²	Brazil	Mexico	Peru	All Other Countries	Total
1910	11,609,000	3,254,000	1,006,000	1,555,000	3,467,000 ³	297,000 ³	200,000	88,000 ³	439,000	21,915,000
1911	15,693,000	2,730,000	909,000	1,530,000	3,437,000 ³	300,000 ³	160,000	96,000 ³	441,000	25,356,000
1912	13,703,000	3,702,000	946,000	1,554,000	3,931,000 ³	348,000 ³	240,000	112,000	507,000	25,043,000
1913	14,156,000	4,239,000	1,026,000	1,588,000	4,000,000 ³	397,000 ³	205,000	133,000	515,000	26,259,000
1914	16,135,000	4,359,000	1,270,000	1,337,000	4,500,000	387,000 ³	108,000	129,000	462,000	28,687,000
1915	11,192,000	3,128,000	1,512,000	989,000	3,000,000 ³	282,000	95,000	113,000	378,000	20,689,000
1916	11,450,000	3,759,000	1,199,000	1,048,000	1,534,000	281,000	103,000	127,000	344,000	19,845,000
1917	11,302,000	3,393,000	634,000	1,304,000	2,092,000	345,000	135,000	125,000	345,000	19,675,000
1918	12,041,000	3,328,000	161,000	999,000	3,053,000	339,000	203,000	142,000	347,000	20,613,000
1919	11,421,000	4,853,000	81,000	1,155,000	2,599,000	506,000	199,000	155,000	415,000	21,384,000
1920	13,440,000	3,013,000	58,000	1,251,000	1,883,000	370,000	188,000	164,000	508,000	20,875,000
1921	7,954,000	3,748,000	43,000	902,000	1,517,000	505,000	147,000	157,000	357,000	15,330,000
1922	9,762,000	4,348,000	55,000	1,170,000	2,048,000	553,000	178,000	137,000	454,000	18,705,000
1923	10,139,671	4,247,000	321,000	1,213,000	1,992,000	576,000	136,000	203,000	655,329	19,500,000
1924	13,627,936	5,069,000	397,000	1,276,000	2,176,000	605,000	298,000	206,000	469,000	23,900,000
1925	16,085,905	5,064,000	853,000	1,629,000	2,114,090	- ⁴	215,000	- ⁴	- ⁴	27,800,000
1926 ⁵	18,618,000	4,144,000	756,000	1,497,000	1,584,000	- ⁴	396,000	- ⁴	- ⁴	28,275,000

¹ Total Indian production.

² Estimates which include production in the most important provinces where the commercial crop is grown.

³ Unofficial.

⁴ Not available.

⁵ Advance estimates subject to correction.

Source of Supply of Cotton according to Length of Staple

[Bales of 500 pounds; gross weight]

Source: British Cotton Growing Committee and United States Bureau of Markets

Growths	Kind	Where Grown	Length of Staple (Inches)	Approximate Pre-war Supply (Bales)
I	Sea Island	Islands, South Carolina	1½-2¼	8,000
	Sea Island	West Indies	1½-2¼	4,000
	Sea Island	Islands, Florida and Georgia	1½-1¾	70,000
II	Sea Island	West Indies	1½-1¾	2,000
	Egyptian	Egypt	1½-1¾	550,000
	Egyptian	Egypt	1-1¾	700,000
III	Egyptian	Sudan	1-1¾	20,000
	American	Mississippi Delta, etc.	1½-1¾	200,000
	African	Nyasaland, Uganda, and East and South Africa	1½-1¾	40,000
IV	Peruvian	Peru	1-1½	125,000
	American¹	United States	¾-1¾	15,000,000
	Mexican	Mexico	¾-1½	150,000
V	Brazilian	Brazil	¾-1½	300,000
	Russian	Russia	1-1½	500,000
	West African	West Africa	1-1½	15,000
V	Levant	Levant	¾-1½	100,000
	Indian	India	1-1½	400,000
	Chinese and Korean	China and Chosen (Korea)	I	250,000
V	Indian	India	¾-¾	4,500,000
	Russian	Russia	¾-¾	750,000
	Chinese	China	¾-¾	1,800,000
Approximate world's pre-war supply				25,484,000

¹ Including American-Egyptian cotton.

Length¹ of Staple of the World's Cotton by Varieties

[In inches]

Source: United States Department of Agriculture

VARIETY	Minimum	Average	Maximum	VARIETY	Minimum	Average	Maximum
United States:				India:			
Sea Island	1 $\frac{1}{2}$	—	2 $\frac{1}{8}$	Cambodia	5 $\frac{5}{8}$	—	1 $\frac{3}{8}$
Meade	1 $\frac{5}{8}$	—	1 $\frac{3}{4}$	Karunganni	7 $\frac{1}{8}$	—	1
American-Egyptian	1 $\frac{1}{2}$	—	1 $\frac{3}{4}$	Breach	3 $\frac{3}{8}$	—	1
Upland long staple	1 $\frac{1}{4}$	—	1 $\frac{3}{4}$	Oomras	4 $\frac{1}{2}$	—	7 $\frac{1}{8}$
Upland short staple	3 $\frac{3}{4}$	—	1 $\frac{1}{16}$	Dholeras	5 $\frac{5}{8}$	—	7 $\frac{1}{8}$
Mexico	—	1	—	Kumptas	7 $\frac{1}{8}$	—	—
Egypt:				Western and Northern Tinnevellys	3 $\frac{3}{4}$	—	7 $\frac{1}{8}$
Sakels	1 $\frac{3}{8}$	—	1 $\frac{5}{8}$	Bengals	3 $\frac{1}{4}$	—	7 $\frac{1}{8}$
Brown and uppers	1 $\frac{1}{8}$	—	1 $\frac{3}{8}$	Sind-Punjab	3 $\frac{3}{8}$	—	5 $\frac{5}{8}$
China:				Brazil:	3 $\frac{3}{8}$	—	5 $\frac{5}{8}$
Native	—	5 $\frac{5}{8}$	7 $\frac{1}{8}$	Serido or Mocó	1 $\frac{3}{8}$	—	1 $\frac{3}{4}$
American	—	—	1	Verdão	1 $\frac{3}{8}$	—	1 $\frac{3}{4}$
Russia:				Inteiro	1 $\frac{1}{4}$	—	—
Native	2 $\frac{3}{8}$	—	3 $\frac{1}{4}$	Quebradinho	1 $\frac{5}{16}$	—	1 $\frac{3}{8}$
American	—	—	1 $\frac{3}{8}$	Macaco or Garga	1 $\frac{1}{8}$	—	—
Peru:				Cleveland	—	—	—
Full rough (aspero)	—	1 $\frac{1}{4}$	—	Russel Big Boll	1 $\frac{1}{16}$	—	1 $\frac{3}{16}$
Semi-rough (semi-aspero)	—	1 $\frac{1}{16}$	—	Express	—	—	—
Egipto (suave)	1 $\frac{1}{16}$	—	1 $\frac{1}{8}$	Webber	7 $\frac{1}{8}$	—	1
Tanguis	—	1 $\frac{5}{16}$	1 $\frac{1}{2}$	Herbaco	1 $\frac{1}{16}$	—	1 $\frac{1}{4}$
Mitaffi	—	1 $\frac{1}{4}$	—	Durango	—	—	—
				Sea Island	—	1 $\frac{1}{4}$	—
				Campo Brito	—	1 $\frac{1}{16}$	—

¹ Figures are only approximate. It must be noted that opinions frequently differ as to length of certain varieties.

Range of Staple of Various Cottons

Source: Department of Agriculture

UNITED STATES

American-Egyptian	$1\frac{3}{8}$ to $1\frac{5}{8}$ inches, bulk about $1\frac{9}{16}$ inches
Upland Long Staples (Mississippi Delta and Arkansas)	$1\frac{1}{16}$ to $1\frac{5}{16}$ inches
Western Uplands	$\frac{7}{8}$ to $1\frac{1}{16}$ inches, with some $1\frac{1}{8}$ inches
Eastern Uplands	$\frac{7}{8}$ to 1 inch, with some below $\frac{7}{8}$ and some above 1 inch

INDIA

Dharwar No. 1 (Kumpta)	$\frac{7}{8}$ to 1 inch
Gadag No. 1 (Dharwar-American)	$1\frac{3}{16}$ to $1\frac{5}{16}$ inch
Surat	$1\frac{5}{16}$ to $1\frac{11}{16}$ inches
Punjab American	$\frac{5}{8}$ to $1\frac{1}{8}$ inches
Cambodia	$\frac{7}{8}$ to $1\frac{1}{8}$ inches
Hagari (Sircar)	$\frac{5}{8}$ to $\frac{7}{8}$ inch
Bengal	$\frac{1}{2}$ to $\frac{5}{8}$ inch

EGYPT

Uppers (high grade)	$1\frac{1}{16}$ to $1\frac{1}{8}$ inches
Uppers (low grade)	$1\frac{1}{16}$ inches
Upper (Ashmouni)	$1\frac{1}{8}$ inches
Upper (Zagora)	$1\frac{5}{32}$ inches
Sakellaridis (high grade)	$1\frac{5}{8}$ inches
Sakellaridis (low grade)	$1\frac{3}{16}$ to $1\frac{1}{4}$ inches
Cazuli	$1\frac{7}{16}$ inches
Nahda	$1\frac{7}{16}$ inches
Pilion	$1\frac{5}{16}$ inches
Sakellaridis Domains	$1\frac{5}{8}$ inches
310	$1\frac{9}{16}$ inches

PERU

Smooth Tanguis	$1\frac{1}{4}$ inches
Rough Tanguis	$1\frac{3}{32}$ inches
Egipto Tanguis	$1\frac{3}{32}$ inches
Mitafifi	$1\frac{1}{4}$ inches
Pima Peruvian	$1\frac{5}{8}$ inches
Full Rough Tanguis	$1\frac{3}{16}$ inches
Moderate (semi-rough)	$1\frac{3}{16}$ inches

CHINA

Tungchow	$1\frac{3}{16}$ inch
Hakush	$\frac{1}{2}$ to $\frac{5}{8}$ inch
Sengsi (Shensi)	$\frac{5}{8}$ to $\frac{7}{8}$ inch
Lingpao	$1\frac{1}{16}$ inches
Tien Tsin	Half and half
Indo China	$\frac{7}{8}$ inch

BRAZIL

Sao Paulo	$\frac{7}{8}$ inch
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Approximate Dates of Cotton Planting and Picking by Countries

Source: United States Department of Agriculture

COUNTRY	PLANTING			PICKING		
	Beginning	Principal Months	End	Beginning	Principal Months	End
United States ¹ . . .	March 15	—	May 25	July 1	—	Dec. 31
Mexico:						
Laguna District	—	—	March	July	—	Dec.
Lower California	March	—	July	Sept.	—	Feb.
Egypt	Feb.	—	May	Aug.	—	Dec.
China	May	—	—	Oct.	—	—
Russia	—	March–April	—	Aug.	—	Oct.
India	—	March–Dec.	—	—	Oct.–April	—
Brazil:						
North	Dec.	—	April	Aug.	—	Dec.
South	Sept.	—	Nov.	March	—	May
Peru ²	—	Oct.–Dec.	—	—	May–Sept.	—

¹ About 95 per cent of the crop is picked from August 1 to November 30.

² Planting and picking are carried on all the year. Some varieties yield several crops before they are replanted.

Usual Dates to begin Planting and Picking in the United States

STATE	Planting	Picking
Alabama	Mar. 21 to Apr. 11	Aug. 21 to Sept. 1
Arkansas	Apr. 11 to Apr. 21	Sept. 1 to Sept. 11
Georgia	Mar. 21 to Apr. 11	Aug. 21 to Sept. 1
Louisiana	Mar. 21 to Apr. 11	Aug. 21 to Sept. 1
Mississippi	Mar. 21 to Apr. 30	Aug. 21 to Sept. 1
North Carolina	Apr. 11 to Apr. 21	Sept. 1 to Sept. 11
Oklahoma	Apr. 1 to Apr. 21	Aug. 28 to Sept. 5
South Carolina	Apr. 1 to Apr. 11	Aug. 21 to Sept. 1
Tennessee	Apr. 11 to Apr. 21	Sept. 1 to Sept. 11
Texas	Mar. 1 to Apr. 21	July 1 to Sept. 1

Average Gross Weights of Cotton Bales

Variety	Pounds
Egyptian	733
Chinese	460
East Indian	400
African	402
West Indian	424
Brazilian	370
Peruvian	356
American, Sea Island	374
American, Upland	498
North Carolina	483
South Carolina	480
Georgia	478
Alabama	493
Mississippi	497
Louisiana	490
Texas	516
Arkansas	505
Tennessee	507

Estimated Cotton Production of Minor Producing Areas

[In bales of 478 pounds net]

Source: Bureau of Foreign and Domestic Commerce

	1923-24	1924-25	1925-26
Guatemala	825	2,100	1,000
Salvador	1,000	10,000	2,500
Colombia	5,000	8,000	8,000
Venezuela	10,000	15,000	12,000
Ecuador	10,000	11,500	6,000
Paraguay	16,000	12,200	10,000
Argentina	47,000	69,000	135,000
Haiti	15,000	16,000	20,000
Other West Indies	6,200	4,000	4,000
Greece	10,000	11,000	20,000
Malta	98	480	480
Cyprus	1,674	2,660	2,600
Jugoslavia	669	418	600
Bulgaria	1,800	2,960	1,700
Italy	5,000	4,520	4,500
Japan	4,000	3,000	—
Korea	111,000	121,000	125,000
French Indo-China	10,000	10,000	15,000
Siam	5,000	2,900	4,000
Afghanistan	5,000	5,000	5,000
Persia	40,000	60,000	90,000
Turkey	60,000	110,000	130,000
Dutch East Indies	8,000	8,000	6,000
New Hebrides	1,830	2,000	2,000
Australia	25,000	8,790	6,300
Fiji, etc.	79	80	120
Uganda	94,000	140,000	140,000
Tanganyika	8,400	15,700	17,300
Nigeria	18,000	24,000	30,000
British South Africa	5,020	7,300	26,200
Rhodesia	1,000	1,650	10,000
Sudan	41,000	45,000	106,000
French Africa	2,445	3,000	1,000
Belgian Congo	4,600	16,000	13,000
Togoland	4,600	5,000	5,000
Nyasaland	5,440	2,400	9,600
Mozambique	12,000	5,000	1,500
Algeria	795	2,238	5,800
Ivory Coast	100	100	100
Eritrea	1,381	2,760	2,000
Italian Somaliland	1,757	2,301	2,500
Gold Coast	837	800	500
Angola	2,000	2,000	2,000
Kenya	1,600	1,600	2,000
Total	605,150	777,457	984,300

Cotton Acreage and Yield per Acre of Egypt, India and the United States

United States Bureau of the Census and Department of Agriculture

YEAR	EGYPT		INDIA		UNITED STATES	
	Acres	Pounds	Acres	Pounds	Acres	Pounds
1902 . . .	1,324,000	437	16,581,046	90	27,175,000	187
1903 . . .	1,383,000	466	18,025,000	79	27,052,000	174
1904 . . .	1,491,000	420	19,918,000	77	31,215,000	206
1905 . . .	1,626,000	363	20,401,000	83	27,110,000	187
1906 . . .	1,564,000	440	22,488,000	87	31,374,000	202
1907 . . .	1,664,000	431	21,630,000	58	29,660,000	179
1908 . . .	1,703,000	393	19,999,000	74	32,444,000	195
1909 . . .	1,619,000	309	20,545,000	92	32,044,000	154
1910 . . .	1,664,000	453	22,596,000	68	32,403,000	171
1911 . . .	1,776,000	412	21,615,000	61	36,045,000	208
1912 . . .	1,787,000	417	22,028,000	84	34,283,000	191
1913 . . .	1,789,000	425	25,020,000	81	37,089,000	182
1914 . . .	1,823,000	353	24,595,000	85	36,832,000	209
1915 . . .	1,231,000	387	17,746,000	84	31,412,000	170
1916 . . .	1,718,000	295	21,745,000	83	34,985,000	157
1917 . . .	1,741,000	359	25,188,000	64	33,841,000	160
1918 . . .	1,366,000	338	21,038,000	76	36,008,000	160
1919 . . .	1,633,000	399	23,353,000	99	33,566,000	161
1920 . . .	1,897,000	336	21,341,000	68	35,878,000	178
1921 . . .	1,341,000	329	18,451,000	97	30,509,000	125
1922 . . .	1,868,000	360	21,077,000	98	33,036,000	142
1923 . . .	1,856,000	354	23,088,000	88	41,360,000	130
1924 . . .	1,856,000	329	24,833,000	98	40,115,000	157
1925 . . .	1,998,000	390	27,960,000	86	46,053,000	167
1926 . . .	1,853,000	386	25,006,000	79	47,653,000	187

Acreage planted to Egyptian Cotton, by Varieties

[Expressed in feddans¹]

Source: Egyptian Ministry of Agriculture

	1921	1922	1923	1924	1925	1926
Sakellaridis . . .	995,479	1,357,197	1,162,036	872,624	1,128,946	981,783
Ashmouni (Uppers) . . .	170,514	276,193	287,171	2796,362	270,842	667,474
Mitaffi . . .	6,771	8,178	5,599	—	—	—
Nubari . . .	8,645	11,084	9,862	—	—	—
Affi Assil . . .	5,839	7,878	7,246	22,271	8,384	4,234
Abassi . . .	1,267	2,274	1,772	3—	3—	3—
Joanovich . . .	300	335	4,082	3—	3—	3—
Pilion . . .	—	3—	3—	49,960	72,799	102,394
Various . . .	103,063	136,704	110,332	46,626	443,411	29,817
Total . . .	1,291,878	1,799,843	1,588,100	1,787,843	1,924,382	1,785,702

¹ 1 feddan = 1.038 acres.

² Including Zagoura, which has previously been included in "Various."

³ Included in "Various."

Acreage of Cotton planted, Acreage abandoned, and Acreage harvested in the United States

Source: United States Department of Agriculture

YEAR	Acreage planted ¹	Acreage abandoned	Acreage harvested
1912	34,766,000	483,000	34,283,000
1913	37,458,000	369,000	37,089,000
1914	37,406,000	574,000	36,832,000
1915	32,107,000	695,000	31,412,000
1916	36,052,000	1,067,000	34,985,000
1917	34,925,000	1,084,000	33,841,000
1918	37,207,000	1,199,000	36,008,000
1919	35,133,000	1,567,000	33,566,000
1920	37,043,000	1,165,000	35,878,000
1921	31,678,000	1,169,000	30,509,000
1922	34,016,000	980,000	33,036,000
1923	38,701,000	867,000	37,123,000
1924	41,390,000	1,275,000	41,360,000
1925	48,090,000	2,037,000	46,053,000
1926 ²	48,898,000	1,418,000	47,653,000

¹ Acreage planted is computed as of June 25 each year.

² 1926 figures are subject to revision.

Acreage of Cotton harvested in the United States

Source: United States Department of Agriculture

STATE	THOUSANDS OF ACRES							
	1919	1920	1921	1922	1923	1924	1925	1926 ¹
Total	33,566	35,878	30,509	33,036	37,123	41,360	46,053	47,653
Alabama	2,791	2,858	2,235	2,771	3,079	3,055	3,504	3,713
Arizona	107	230	90	101	127	180	162	167
Arkansas	2,725	2,980	2,382	2,799	3,026	3,094	3,738	3,782
California ²	185	275	140	202	233	317	319	290
Florida	103	100	65	118	147	80	101	109
Georgia	5,220	4,900	4,172	3,418	3,421	3,046	3,589	4,029
Louisiana	1,527	1,470	1,168	1,140	1,405	1,616	1,874	1,960
Mississippi	2,848	2,950	2,628	3,014	3,170	2,981	3,466	3,768
Missouri	125	136	103	198	355	493	520	488
New Mexico	—	—	—	—	60	101	107	120
North Carolina	1,490	1,587	1,403	1,625	1,679	2,005	2,017	2,023
Oklahoma	2,424	2,749	2,206	2,915	3,197	3,861	5,214	4,912
South Carolina	2,835	2,964	2,571	1,912	1,965	2,404	2,654	2,732
Tennessee	758	840	634	985	1,172	996	1,173	1,178
Texas	10,476	11,898	10,745	11,874	14,150	17,175	17,608	18,363
Virginia	42	42	34	55	74	102	100	101
All other	10	24	18	44	73	41	57	48

¹ Preliminary estimate.

² Lower California (130,000 acres in 1926; 150,000 in 1925; 140,000 in 1924; 148,000 in 1923; 135,000 in 1922; 85,000 in 1921; 125,000 in 1920 and 100,000 in 1919) included in California figures, but excluded from United States totals.

Acreage and Production of Cotton in Egypt

Source: Egyptian Ministry of Finance

YEAR	Acreage in Feddans ¹	Acreage in Acres	Crop in Kantars Gross Weight ²	Crop in Equivalent 500-Pound Bales	Yield in Kantars per Feddan	Yield in Pounds per Acre
1911	1,711,241	1,776,000	7,386,000	1,463,000	4.32	412
1912	1,721,817	1,787,000	7,499,000	1,492,000	4.35	417
1913	1,723,094	1,789,000	7,664,000	1,522,000	4.44	425
1914	1,755,270	1,823,000	6,451,000	1,286,000	3.67	353
1915	1,186,004	1,231,000	4,775,000	952,000	4.03	387
1916	1,655,512	1,718,000	5,060,000	1,012,000	3.06	295
1917	1,677,310	1,741,000	6,293,000	1,249,000	3.75	359
1918	1,315,572	1,366,000	4,821,000	955,000	3.66	338
1919	1,573,662	1,633,000	5,572,000	1,248,000	3.54	399
1920	1,827,870	1,897,000	6,036,000	1,231,000	3.30	336
1921	1,291,878	1,341,000	4,353,000	862,000	3.37	329
1922	1,799,843	1,868,000	6,713,000	1,119,000	3.73	360
1923	1,588,100	1,648,000	5,844,000	1,160,000	3.68	351
1924	1,787,843	1,856,000	6,379,862	1,321,972	3.56	340
1925	1,924,382	1,998,000	7,860,000	1,629,000	4.08	390
1926 ³	1,785,702 ³	1,853,000 ³	7,223,585 ³	1,496,799 ³	4.05 ³	386 ³

¹ 1 feddan = 1.038 acres.

² 1 kantar = 99.049 pounds.

³ Preliminary estimates.

Acreage and Crops of American-Egyptian Cotton

[Crops in 500-pound bales gross]

Source: United States Department of Agriculture

YEAR	Acreage planted	Crop
1912	520	375
1913	3,500	2,135
1914	12,000	6,187
1915	2,330	1,095
1916	5,477	3,331
1917	33,000	15,966
1918	80,000	36,187
1919	90,000	40,437
1920	240,000	91,965
1921	80,000	37,094
1922	77,000	32,824
1923	40,000	22,426
1924	8,000	4,319
1925	40,000	20,053
1926	27,000	16,226

Dates of Earliest Killing Frosts in Autumn in the Cotton Belt of the United States during the Past Six Years

Source: United States Weather Bureau

	1921	1922	1923	1924	1925	1926
North Carolina:						
Charlotte . . .	Nov. 13	Nov. 23	Nov. 9	Nov. 19	Oct. 29	Nov. 11
Rockingham . .	Oct. 14	Nov. 11	Nov. 2 ¹	Oct. 24	Oct. 11 ¹	Oct. 26
Raleigh . . .	Nov. 13	Nov. 22	Nov. 2	Nov. 18	Oct. 29	Nov. 4
Goldsboro . . .	Oct. 14 ¹	Nov. 11 ¹	Nov. 9 ¹	Nov. 18 ¹	Oct. 11 ¹	Oct. 18
South Carolina:						
Charleston . . .	None	Nov. 29	Nov. 10	Nov. 30	Nov. 24	Dec. 19
Columbia . . .	Dec. 30	Nov. 22	Nov. 9	Nov. 19	Nov. 24	Nov. 11
Georgia:						
Atlanta . . .	Nov. 11	Nov. 21	Nov. 9	Nov. 25	Oct. 29	Nov. 3
Augusta . . .	Nov. 13	Nov. 22	Nov. 10	Nov. 19	Nov. 24	Nov. 12
Savannah . . .	None	Nov. 29	Nov. 10	Nov. 30	Nov. 24	Nov. 12
Columbus . . .	Nov. 13	Nov. 29	Nov. 10	Nov. 26	Nov. 17	Nov. 11
Rome . . .	Nov. 11	Nov. 10	Nov. 8	Nov. 19 ¹	Oct. 29	Nov. 3
Alabama:						
Eufaula . . .	Nov. 13	Nov. 29	Nov. 10	Nov. 26	Nov. 17	Nov. 11 ¹
Mobile . . .	None	None	Jan. 6 ²	Nov. 26	Dec. 23	Dec. 16
Montgomery . .	Dec. 5	Nov. 29	Dec. 7	Nov. 26	Nov. 23	Nov. 11
Mississippi:						
Vicksburg . . .	Dec. 18	Dec. 19	Nov. 30	Nov. 25	Nov. 23	Nov. 10
Greenville . . .	Nov. 3	Nov. 26	Nov. 7	Oct. 24	Oct. 20 ¹	Oct. 25 ¹
Louisiana:						
New Orleans . .	None	None	Jan. 6 ²	Dec. 26	Dec. 28	None
Shreveport . . .	Nov. 10	Nov. 21	Dec. 6	Nov. 25	Nov. 23	Nov. 10
Texas:						
Galveston . . .	None	None	Jan. 7 ²	Dec. 19	Dec. 23	None
Palestine . . .	Dec. 18	Dec. 19	Dec. 14	Dec. 10	Nov. 23	Nov. 18
San Antonio . .	Dec. 9	None	Jan. 1 ²	Dec. 19	Nov. 16	None
Fort Worth . . .	Nov. 19	Dec. 10	Dec. 14	Dec. 9	Oct. 28	Nov. 10
Arkansas:						
Little Rock . . .	Nov. 12	Nov. 26	Nov. 30	Nov. 25	Oct. 30	Nov. 3
Fort Smith . . .	Nov. 10	Nov. 26	Nov. 29	Nov. 24	Oct. 28	Nov. 5
Tennessee:						
Memphis . . .	Nov. 12	Nov. 16	Oct. 31	Nov. 29	Oct. 29	Oct. 25
Nashville . . .	Nov. 3	Nov. 21	Nov. 1	Oct. 24	Oct. 20	Nov. 3
Chattanooga . .	Nov. 11	Nov. 21	Nov. 9	Nov. 20	Oct. 29	Nov. 6
Oklahoma:						
Ardmore . . .	Nov. 10	Nov. 20	Nov. 30 ¹	Nov. 24	Oct. 25	Nov. 9 ¹
Oklahoma . . .	Nov. 10	Nov. 14	Oct. 31	Nov. 24	Oct. 25	Nov. 9
Mangum . . .	Nov. 10	Nov. 13	Nov. 6 ¹	Nov. 7 ¹	No record	Nov. 2

¹ First date with temperature of 32° or below.

² 1924.

**Dates of Earliest Killing Frosts in Autumn, and Latest Killing
Frosts in Spring, from Beginning of Record kept by United
States Weather Bureau to December 31, 1926**

	Years recorded	Earliest Date in Autumn	Average Date in Autumn	Latest Date in Spring	Average Date in Spring
Virginia:					
Newport News . . .	27	Oct. 3	Nov. 6	April 26	March 28
Norfolk	54	Oct. 11	Nov. 17	April 26	March 25
Richmond	29	Oct. 12	Oct. 31	April 26	April 7
North Carolina:					
Greensboro	23	Oct. 11	Oct. 30	April 26	April 9
Raleigh	40	Oct. 8	Nov. 5	April 26	March 29
Wilmington	56	Oct. 16	Nov. 13	May 1	March 23
Charlotte	48	Oct. 8	Nov. 5	April 26	March 28
Monroe	30	Oct. 2	Oct. 19	May 10	April 14
South Carolina:					
Charleston	56	Nov. 8	Dec. 10	April 2	Feb. 20
Columbia	47	Oct. 30	Nov. 18	April 17	March 18
Greenwood	29	Oct. 11	Nov. 8	April 17	March 25
Spartanburg	36	Sept. 24	Nov. 1	April 17	March 30
Greenville	31	Oct. 10	Nov. 2	April 24	April 3
Georgia:					
Macon	27	Oct. 11	Nov. 7	April 18	March 23
Athens	33	Oct. 11	Nov. 1	April 21	April 2
Augusta	53	Oct. 21	Nov. 10	April 17	March 22
Savannah	54	Oct. 25	Nov. 24	April 13	Feb. 26
Rome	35	Oct. 11	Oct. 27	April 24	April 9
Columbus	30	Oct. 11	Nov. 6	April 26	March 22
Gainesville	30	Oct. 11	Oct. 27	April 24	April 9
Newnan	30	Oct. 11	Nov. 5	April 26	April 5
Thomasville	32	Oct. 21	Nov. 15	April 26	March 14
Florida:					
Gainesville	29	Nov. 10	Dec. 3	April 2	Feb. 26
Jacksonville	71	Nov. 12	Dec. 6	April 10	Feb. 16
Lake City	34	Oct. 25	Nov. 28	April 26	March 10
Pensacola	47	Oct. 27	Dec. 7	April 6	Feb. 17
Tallahassee	36	Nov. 4	Dec. 1	April 10	March 4
Tampa	37	Nov. 21	Jan. 3	April 7	Jan. 26
Alabama:					
Anniston	22	Oct. 11	Nov. 1	April 25	March 24
Opelika	32	Oct. 21	Nov. 11	April 17	March 20
Montgomery	55	Oct. 21	Nov. 11	April 5	March 10
Selma	29	Oct. 13	Nov. 10	April 26	March 16
Eufaula	35	Oct. 21	Nov. 12	April 26	March 16
Mobile	56	Oct. 31	Dec. 5	April 6	Feb. 17
Decatur	31	Oct. 11	Nov. 2	April 26	March 28
Birmingham	32	Oct. 21	Nov. 9	April 20	March 16
Tuscaloosa	38	Oct. 21	Nov. 6	April 25	March 27
Thomasville	29	Oct. 20	Nov. 10	April 26	March 17
Mississippi:					
Yazoo City	32	Oct. 13	Nov. 2	April 25	March 20
Vicksburg	56	Oct. 20	Nov. 12	April 6	March 4
Meridian	37	Oct. 8	Nov. 5	April 25	March 18
Natchez	32	Oct. 20	Nov. 14	April 25	March 14

Dates of Earliest Killing Frosts in Autumn and Latest Killing Frosts in Spring, and Average Dates, etc. — (Concluded)

	Years recorded	Earliest Date in Autumn	Average Date in Autumn	Latest Date in Spring	Average Date in Spring
Mississippi (Continued):					
Greenville	36	Oct. 10	Nov. 6	April 26	March 19
Greenwood	27	Oct. 13	Oct. 31	April 26	March 25
Columbus	32	Oct. 11	Oct. 31	April 26	March 27
Louisiana:					
Baton Rouge	40	Oct. 14	Nov. 18	April 5	Feb. 20
New Orleans	54	Nov. 11	Dec. 16	March 27	Jan. 25
Monroe	33	Oct. 10	Nov. 10	April 9	March 11
Natchez (see Mississippi)					
Shreveport	54	Oct. 20	Nov. 10	April 9	March 6
Vicksburg (see Mississippi)					
Texas:					
Houston	36	Oct. 25	Dec. 1	March 26	Feb. 19
Galveston	55	Nov. 16	Dec. 26	March 1	Jan. 19
Corpus Christi	40	Nov. 29	Dec. 28	March 19	Jan. 21
Luling	35	Oct. 27	Nov. 21	April 9	March 6
Cuero	34	Oct. 27	Nov. 23	April 5	Feb. 27
San Antonio	41	Oct. 30	Nov. 28	April 5	Feb. 24
El Paso	39	Oct. 27	Nov. 15	April 26	March 14
Abilene	41	Oct. 19	Nov. 10	April 23	March 21
Amarillo	35	Sept. 22	Oct. 29	May 23	April 17
Fort Worth	32	Oct. 22	Nov. 12	April 9	March 11
Lampasas	34	Oct. 9	Nov. 9	May 2	March 22
Taylor	32	Oct. 30	Nov. 22	April 5	March 13
Temple	35	Oct. 29	Nov. 18	April 9	March 10
Austin	56	Oct. 28	Nov. 22	April 9	March 5
Waco	36	Oct. 22	Nov. 12	April 9	March 12
Gainesville	36	Oct. 9	Nov. 6	May 1	March 28
Dallas	37	Oct. 8	Nov. 13	May 1	March 19
Waxahachie	28	Oct. 9	Nov. 7	April 30	March 27
Corsicana	36	Oct. 22	Nov. 14	May 1	March 15
Palestine	44	Oct. 20	Nov. 13	April 5	March 13
Nacogdoches	26	Oct. 21	Nov. 12	April 25	March 18
Greenville	25	Oct. 19	Nov. 12	April 26	March 19
Paris	36	Oct. 9	Nov. 11	April 17	March 19
Arkansas:					
Fort Smith	45	Oct. 9	Nov. 5	April 17	March 21
Little Rock	47	Oct. 22	Nov. 13	April 26	March 18
Pine Bluff	33	Oct. 11	Nov. 4	April 25	March 24
Texarkana	34	Oct. 9	Nov. 9	April 17	March 20
Tennessee:					
Memphis	55	Oct. 2	Nov. 3	April 25	March 22
Nashville	56	Oct. 8	Oct. 27	April 24	April 2
Chattanooga	48	Sept. 30	Oct. 26	May 14	April 2
Decatur	30	Oct. 2	Oct. 23	May 14	April 18
Knoxville	56	Oct. 1	Oct. 28	April 26	April 2
Oklahoma:					
Muskogee	25	Oct. 10	Nov. 3	April 21	March 22
Oklahoma	36	Oct. 7	Nov. 2	April 30	March 31
Missouri:					
St. Louis	54	Sept. 30	Oct. 27	May 22	April 4

Forecasts of American Cotton Crops by United States Department of Agriculture compared with Actual Yield and Production Forecasts of Yield per Acre

YEAR	FORECASTS OF YIELD PER ACRE (POUNDS)					Actual Yield (Pounds)	PERCENTAGE OF VARIATION OF FORECASTS FROM ACTUAL YIELD				
	May 25	June 25	July 25	Aug. 25	Sept. 25		May 25	June 25	July 25	Aug. 25	Sept. 25
1926 ¹	.	158.5	155.8	154.6	160.0	187.0	—	—	—	—	—
1925 ¹	.	147.7	140.0	144.1	143.5	162.3	—	—	—	—	—
1924 ¹	.	143.8	141.3	153.5	149.2	156.8	—	—	—	—	—
1923 ¹	.	142.6	143.9	134.8	137.7	128	130.6	—	—	—	—
1922 ¹	.	151	157	134.8	137.7	128	141.5	—	—	—	—
1921 ¹	.	152.2	148	127	118	96.9	141.6	—	—	—	—
1920 ¹	.	155.9	170.4	174.0	165.0	170.8	124.5	—	—	—	—
1919 ¹	.	171.3	156.8	159.8	158.0	158.2	178.4	—	—	—	—
1918 ¹	.	199.8	177.3	145.2	154.1	155.9	161.5	—	—	—	—
1917 ¹	.	162.5	166.9	174.6	168.3	155.7	159.6	—	—	—	—
1916 ¹	.	181.5	173.4	158.5	156.3	156.3	156.6	—	—	—	—
1915 ¹	.	—	—	—	168.1	172.5	170.3	—	—	—	—
1914 ²	.	—	—	—	—	207.9	209.2	—	—	—	—

¹ 1925 and 1926 reports were dated June 25, July 16, August 16, September 16 and December 8.

² First forecast of yield per acre issued as of Sept. 25, 1915.

Forecasts of Total Crop [500-pound gross bales, exclusive of linters]

YEAR	FORECASTS OF CROPS					Actual Production	AMOUNT OF VARIATION OF FORECASTS FROM ACTUAL PRODUCTION				
	June 25	July 25	Aug. 25	Sept. 25	Dec. Est.		June 25	July 25	Aug. 25	Sept. 25	Dec. Est.
1926 ¹	15,635,000	15,368,000	15,248,000	15,810,000	18,618,000	17,911,000 ²	-2,276,000	-2,543,000	-2,663,000	-2,101,000	+707,000
1925 ¹	14,339,000	13,588,000	13,490,000	13,931,000	13,603,000	16,103,679	-1,764,679	-2,515,679	-2,113,679	-2,172,679	-500,679
1924 ¹	12,144,000	11,924,000	12,956,000	12,596,000	13,153,000	13,627,936	-1,483,936	-1,693,936	-671,936	-1,031,936	-471,936
1923 ¹	11,412,000	11,516,000	10,788,000	11,015,000	10,851,000	10,139,671	+1,272,329	+1,376,329	+648,329	+875,329	-55,671
1922 ¹	11,065,000	11,449,000	10,575,000	10,135,000	9,964,000	9,762,069	+1,382,931	+1,686,931	+812,931	+372,931	+191,931
1921 ¹	8,453,000	8,203,000	7,037,000	6,537,000	8,340,000	7,953,641	+479,359	+249,359	+916,641	+1,416,641	+386,359
1920 ¹	11,430,000	12,519,000	12,783,000	12,123,000	12,987,000	13,439,603	-1,989,603	-920,603	-656,603	-1,316,603	-452,603
1919 ¹	10,986,000	11,016,000	11,230,000	10,696,000	11,030,000	11,420,763	-434,763	-1,404,763	-196,763	-724,763	-390,763
1918 ¹	15,325,000	13,619,000	11,137,000	11,818,000	11,700,000	12,400,532	+3,284,468	+1,578,468	-903,532	-222,532	-340,532
1917 ¹	11,635,000	11,949,000	12,047,000	10,949,000	11,511,000	11,302,375	+330,625	+646,625	+1,196,625	+744,625	-353,375
1916 ¹	14,296,000	12,916,000	11,800,000	11,637,000	11,449,330	11,449,330	+2,816,070	+1,466,070	+350,070	+187,070	+61,070
1915 ³	—	—	—	—	11,161,000	11,191,820	—	—	—	—	-30,820
1914 ³	—	—	—	—	15,966,000	16,134,930	—	—	—	—	-168,930

¹ 1925 and 1926 reports were dated June 25, July 16, August 16, September 16, and December 8.

² Revised figure issued May 17, 1927.

³ First monthly forecast made by Department of Agriculture was that of Sept. 25, 1915.

Computation of Cotton Crop Condition

The following statement from the Bureau of Agricultural Economics outlines the method used to obtain the government cotton crop condition estimate:

The condition figures published by this Bureau are based upon a normal condition. A normal condition is such a condition as would be expected at the date to which the report relates if conditions are favorable to the crop; that is to say, assuming that good seed had been planted under favorable conditions and that the crop had not suffered material injury from drought, storms, insect pests, plant diseases, or other unfavorable influences. Normal is not an ideal condition, but represents something rather close to the average of good years. The bearing of condition is upon final yield per acre rather than upon total production, because condition does not involve the question of acreage.

The yield per acre to be expected from a condition of 100 per cent or normal for any month is determined each year by a study of the relation of condition in that month to final yield in previous years. The reported per cent of a normal June 25 condition would, of course, indicate a corresponding per cent of the established normal yield per acre for June 25. This promised yield per acre, being multiplied by the number of acres, gives an indication of total production. All such forecasts are based upon the assumption that conditions affecting the crop developing after the date of report will be average, and that the final yield will prove greater or less than the forecast according as such future influences prove more or less favorable than in an average year.

A condition in June of 71 would not necessarily indicate the same production as the same figure for the following month because conditions average higher in June than in July for most crops, and distinctly so for cotton. The comparison each month is with normal conditions for that month. While the conditions of 71 per cent normal in June might be 80 per cent of the June *average* condition, the same per cent of July normal might be 90 per cent of July *average* condition and indicate a correspondingly higher yield.

Condition of American Cotton Crops on May 25¹

Source: United States Department of Agriculture

STATE	1918	1919	1920	1921	1922	1923	1924	1925
Virginia	89	89	71	77	91	79	62	72
North Carolina	84	85	70	65	84	77	71	74
South Carolina	80	78	68	58	67	64	68	71
Georgia	78	81	55	63	71	65	68	78
Florida	75	75	62	60	85	87	77	88
Alabama	78	78	58	57	80	70	70	80
Mississippi	86	73	65	60	75	70	69	84
Louisiana	85	74	72	57	70	68	70	84
Texas	82	76	60	71	61	77	66	70
Arkansas	85	68	61	70	76	66	58	85
Tennessee	90	64	60	69	79	70	54	82
Missouri	79	70	64	75	90	54	52	77
Oklahoma	86	65	70	74	67	63	58	86
California	91	91	86	75	84	93	91	98
Arizona	90	—	80	84	81	92	90	90
New Mexico	—	—	—	—	73	90	89	85
All other	—	—	—	—	—	—	—	90
United States	82.3	75.6	62.4	66.0	69.6	71.0	65.6	76.6

¹ No May 25 Cotton Crop Report for 1926.**Condition of American Cotton Crops on June 25**

Source: United States Department of Agriculture

STATE	1919	1920	1921	1922	1923	1924	1925	1926
Virginia	82	73	70	85	90	61	83	62
North Carolina	83	74	67	76	80	73	77	63
South Carolina	78	74	65	60	64	69	70	55
Georgia	72	63	64	58	56	75	76	70
Florida	57	63	70	75	65	79	84	78
Alabama	67	67	59	68	68	70	79	78
Mississippi	63	69	67	76	67	74	88	78
Louisiana	61	77	64	69	69	78	81	73
Texas	69	71	72	72	77	70	64	80
Arkansas	64	72	78	80	66	68	87	79
Tennessee	64	69	74	83	67	67	85	72
Missouri	60	72	80	92	62	60	90	80
Oklahoma	69	77	75	76	64	72	88	78
California	99	83	77	91	91	90	95	99
Arizona	93	80	88	85	92	92	92	91
New Mexico	—	—	—	—	80	80	88	80
All other	—	—	—	—	—	72	94	74
United States	70.0	70.7	69.2	71.2	69.9	71.2	75.9	75.4

Condition of American Cotton Crops on July 25

Source: United States Department of Agriculture

STATE	1919	1920	1921	1922	1923	1924	1925 ¹	1926 ¹
Virginia	80	74	82	80	88	54	76	71
North Carolina	76	77	75	78	82	56	77	68
South Carolina	71	77	62	60	64	59	71	55
Georgia	67	68	59	54	48	76	74	61
Florida	50	64	60	65	52	76	82	80
Alabama	64	67	58	70	66	70	78	71
Mississippi	63	71	68	74	65	70	83	70
Louisiana	52	71	59	70	68	66	76	71
Texas	67	74	62	72	71	69	56	73
Arkansas	63	78	76	81	68	70	85	72
Tennessee	67	76	75	85	69	68	79	71
Missouri	67	81	80	90	70	65	80	79
Oklahoma	75	85	68	75	63	72	76	78
California	100	85	83	95	88	90	92	99
Arizona	93	85	89	86	91	94	94	89
New Mexico	—	—	88	85	85	83	82	84
All other	—	—	—	—	—	70	79	73
United States	67.1	74.1	64.7	70.8	67.2	68.5	70.4	70.7

¹ Condition on July 16. Change due to the inauguration of semi-monthly reports.

Condition of American Cotton Crops on August 25

Source: United States Department of Agriculture

STATE	1919	1920	1921	1922	1923	1924	1925 ¹	1926 ¹
Virginia	67	81	63	68	93	62	79	65
North Carolina	70	79	62	65	71	59	75	73
South Carolina	67	71	50	46	57	59	53	53
Georgia	55	58	41	44	42	70	61	56
Florida	38	57	59	60	30	72	78	70
Alabama	55	58	53	60	52	70	70	65
Mississippi	61	60	57	60	48	65	77	67
Louisiana	47	55	45	60	53	50	65	64
Texas	61	67	42	59	55	61	46	61
Arkansas	65	75	63	63	57	71	79	67
Tennessee	69	75	74	65	64	72	82	70
Missouri	75	83	78	70	67	70	81	74
Oklahoma	71	84	48	53	46	75	74	66
California	98	80	83	91	88	90	93	94
Arizona	90	86	85	87	90	85	92	83
New Mexico	—	—	—	85	88	92	77	86
All other	—	—	—	—	—	75	92	79
United States	61.4	67.5	49.3	57.0	54.1	64.9	62.0	63.5

¹ Condition on August 16.

Condition of American Cotton Crops on September 25

Source: United States Department of Agriculture

STATE	1919	1920	1921	1922	1923	1924	1925 ¹	1926 ¹
Virginia . . .	64	72	53	63	83	60	64	66
North Carolina . . .	61	68	54	59	64	52	62	69
South Carolina . . .	61	62	40	38	53	47	43	55
Georgia	49	51	33	37	31	59	53	56
Florida	35	50	50	55	20	71	71	65
Alabama	45	49	46	55	42	59	64	62
Mississippi	52	50	48	54	37	57	73	62
Louisiana	38	47	41	53	45	48	70	58
Texas	52	61	38	52	56	52	42	57
Arkansas	60	65	53	57	50	59	64	59
Tennessee	64	66	62	56	47	60	60	54
Missouri	58	75	70	70	64	63	64	61
Oklahoma	72	70	38	42	49	64	55	62
California	95	78	73	80	84	77	90	92
Arizona	92	90	81	80	90	72	92	81
New Mexico	—	—	—	—	84	85	85	90
All other	—	—	—	—	—	77	75	69
United States . . .	54.4	59.1	42.2	50.0	49.5	55.4	53.8	59.5

¹ Condition on September 16.

Condition of American Cotton Crop on Reporting Dates in 1926

Source: United States Department of Agriculture

STATE	June 25	July 16	August 1	August 16	Septem- ber 1	Septem- ber 16
Virginia	62	71	72	65	66	66
North Carolina	63	68	70	73	69	69
South Carolina	55	55	53	53	54	55
Georgia	70	61	59	56	53	56
Florida	78	80	74	70	65	65
Alabama	78	71	67	65	61	62
Mississippi	78	70	68	67	62	62
Louisiana	73	71	67	64	57	58
Texas	80	73	73	61	57	57
Arkansas	79	72	71	67	63	59
Tennessee	72	71	70	70	60	54
Missouri	80	79	77	74	65	61
Oklahoma	78	78	79	66	63	62
California	99	99	98	94	92	69
Arizona	91	89	89	83	82	81
New Mexico	80	84	98	86	86	90
All other	74	73	78	79	72	69
United States . . .	75.4	70.7	69.8	63.5	59.6	59.5

United States Cotton Production, per Acre, by States

[In pounds]

Source: United States Department of Agriculture

STATE	1918	1919	1920	1921	1922	1923	1924	1925	1926 ¹
United States	160	161.5	178	124.5	141.3	130.6	157.4	167.7	181.9
Alabama .	149	122	111	124	142	91	154	185	196
Arizona .	280	270	224	242	222	292	285	350	348
Arkansas .	158	155	195	161	173	98	169	205	195
California .	270	268	266	258	188	285	284	340	386
Florida .	85	74	86	80	102	40	130	180	145
Georgia .	190	152	138	90	100	82	157	155	180
Louisiana .	167	93	126	114	144	125	145	232	200
Mississippi .	187	160	145	148	157	91	176	275	240
Missouri .	200	257	275	325	360	171	185	275	240
New Mexico .	—	—	—	—	—	230	266	298	299
North Carolina	268	266	275	264	250	290	196	261	290
Oklahoma .	92	195	230	104	103	98	187	155	180
South Carolina	250	240	260	140	123	187	160	160	180
Tennessee .	175	195	185	228	190	92	170	210	188
Texas .	115	140	174	98	130	147	138	143	146
Virginia .	270	255	230	230	230	325	180	250	260
All other .	—	—	—	—	—	226	164	214	188

¹ Revised 1926 estimate issued May 17, 1927.

Average Grades of Recent Cotton Crops

Henry G. Hester, Secretary of the New Orleans Cotton Exchange, computes the average grades of recent American cotton crops to have been as follows:

- 1916-17, middling to strict middling.
- 1917-18, middling.
- 1918-19, barely middling.
- 1919-20, strict low middling.
- 1920-21, barely middling.
- 1921-22, middling.
- 1922-23, middling.
- 1923-24, strict low middling to middling.
- 1924-25, middling.
- 1925-26, strict low middling.

United States Production of Cotton and Linters

Source: United States Bureau of the Census

GROWTH YEAR	COTTON, EXCLUSIVE OF LINTERS		LINTERS		COTTON, INCLUDING LINTERS	
	Running Bales, counting Round as Half Bales	Equivalent 500-Pound Bales Gross Weight	Running Bales	Equivalent 500-Pound Bales Gross Weight	Running Bales, counting Round as Half Bales	Equivalent 500-Pound Bales Gross Weight
1901	9,582,520	9,509,745	166,026	166,026	9,748,546	9,675,771
1902	10,588,250	10,630,945	196,223	196,223	10,784,473	10,827,168
1903	9,819,969	9,851,129	195,752	194,486	10,015,721	10,045,615
1904	13,451,337	13,438,012	245,973	241,942	13,697,310	13,679,954
1905	10,495,105	10,575,017	230,497	229,539	10,725,602	10,804,556
1906	12,983,201	13,273,809	322,064	321,689	13,305,265	13,595,498
1907	11,057,822	11,107,179	268,060	268,282	11,325,882	11,375,461
1908	13,086,005	13,241,799	346,126	345,507	13,432,131	13,587,306
1909	10,072,731	10,004,949	313,478	310,433	10,386,209	10,315,382
1910	11,568,334	11,608,616	397,628	397,072	11,965,962	12,005,688
1911	15,553,073	15,692,701	556,276	557,575	16,109,349	16,250,276
1912	13,488,539	13,703,421	602,324	609,594	14,090,863	14,313,015
1913	13,982,811	14,156,486	631,153	638,881	14,613,964	14,795,367
1914	15,905,840	16,134,930	832,401	856,900	16,738,241	16,991,830
1915	11,068,173	11,191,820	944,640	931,141	12,012,813	12,122,961
1916	11,363,915	11,449,930	1,300,163	1,330,714	12,664,078	12,780,644
1917	11,248,242	11,302,375	1,096,422	1,125,719	12,344,664	12,428,094
1918	11,906,480	12,040,532	910,236	929,516	12,816,716	12,970,048
1919	11,325,532	11,420,763	595,093	607,969	11,920,625	12,028,732
1920	13,270,970	13,439,603	429,005	440,313	13,699,975	13,879,916
1921	7,977,778	7,953,641	382,375	397,752	8,360,153	8,351,393
1922	9,729,306	9,762,069	590,537	607,779	10,319,843	10,369,848
1923	10,170,694	10,139,671	639,540	668,600	10,810,234	10,808,271
1924	13,639,399	13,627,936	857,962	897,375	14,497,361	14,525,311
1925	16,122,516	16,103,679	1,044,495	1,114,877	17,167,011	17,218,556

Summary of Commercial Crops of American Cotton

[In running bales, including linters]

Source: New Orleans Cotton Exchange

	1921-22	1922-23	1923-24	1924-25	1925-26
Port receipts . . .	6,402,985	5,935,645	6,591,008	9,557,735	10,037,603
Overland to mills . .	1,647,570	1,267,819	880,814	1,294,406	1,517,750
Southern consumption .	3,942,416	4,487,535	3,985,328	4,380,118	4,778,926
Total movement . .	11,992,971	11,690,999	11,817,150	15,232,259	16,334,279
Less taken by southern mills from ports . .	339,838	408,193	526,753	533,903	719,572
Total crops . . .	11,653,133	11,282,806	11,290,397	14,698,356	15,614,707

United States Commercial Crops of Cotton

Source: New Orleans Cotton Exchange

STATE	1921-22	1922-23	1923-24	1924-25	1925-26
Alabama	733,000	981,000	710,000	1,042,000	1,244,000
Arkansas	995,000	1,118,000	725,000	1,163,000	1,443,000
Florida	13,000	30,000	15,000	21,000	41,000
Georgia	1,629,000	1,035,000	790,000	1,135,000	1,174,000
Louisiana	337,000	368,000	394,000	515,000	833,000
Oklahoma	709,000	664,000	705,000	1,610,000	1,606,000
Mississippi	1,033,000	1,108,000	758,000	1,220,000	1,847,000
North Carolina, etc. ¹	1,053,000	1,068,000	1,262,000	972,000	1,138,000
South Carolina	1,546,000	799,000	920,000	903,000	910,000
Tennessee, etc. ²	565,000	675,000	609,000	878,000	1,133,000
Texas	3,040,000	3,437,000	4,402,000	5,239,000	4,246,000
Total crop	11,653,000	11,283,000	11,290,000	14,698,000	15,615,000

¹ Including Virginia and Kentucky.

² Including Missouri, California, Arizona, etc.

United States Production of Cotton, Exclusive of Linters

[Running bales, counting round as half bales]

Source: United States Bureau of the Census

STATE	1921	1922	1923	1924	1925	1926 ¹
Alabama	587,669	819,870	599,140	985,653	1,356,402	1,469,789
Arizona	42,926	44,132	77,704	109,950	115,359	119,891
Arkansas	788,047	1,010,520	643,643	1,086,814	1,594,389	1,511,187
California	34,809	28,473	55,313	79,938	122,260	128,566
Florida	12,202	27,428	13,628	19,756	40,208	33,228
Georgia	822,621	735,874	612,812	1,030,202	1,192,952	1,495,328
Louisiana	284,330	345,407	373,812	498,396	912,246	824,802
Mississippi	816,961	985,787	622,617	1,116,350	1,985,524	1,853,823
Missouri	68,145	139,881	124,676	192,981	292,950	216,059
New Mexico	—	—	28,333	55,858	64,706	70,057
North Carolina	803,620	879,294	1,053,402	860,147	1,147,340	1,238,180
Oklahoma	477,777	637,003	665,904	1,506,077	1,680,304	1,747,844
South Carolina	786,039	517,464	793,817	837,815	929,040	1,014,682
Tennessee	297,555	385,860	235,344	355,919	513,130	441,057
Texas	2,129,660	3,125,758	4,212,248	4,850,956	4,098,249	5,456,318
Virginia	16,680	27,011	51,982	40,180	54,016	51,095
All other states	8,737	19,544	6,319	12,417	23,441	15,701
Total	7,977,778	9,729,306	10,170,594	13,639,399	16,122,516	17,687,607

¹ March, 1927, preliminary report.

Active and Idle Ginneries in the United States and Average Number of Running Bales ginned per Active Establishment

Source: United States Bureau of the Census

GROWTH YEAR	Total Ginneries	Active Ginneries	Idle Ginneries	Bales ginned per Establishment
1916	25,999	21,624	4,375	526
1917	24,272	20,351	3,921	553
1918	23,439	19,259	4,180	618
1919	22,418	18,815	3,603	602
1920	21,876	18,440	3,436	720
1921	20,938	16,192	4,746	493
1922	19,939	15,420	4,519	631
1923	19,195	15,298	3,897	665
1924	18,656	15,478	3,178	881
1925	18,262	15,482	2,780	1,041

Estimated Values of Cotton and Cotton Seed produced

Source: United States Bureau of the Census

GROWTH YEAR	Value of Cotton produced	Value of Cotton Seed produced	Total Value of Cotton Crop
1916	\$994,060,000	\$259,070,000	\$1,253,130,000
1917	1,532,690,000	333,550,000	1,866,240,000
1918	1,737,710,000	349,490,000	2,087,200,000
1919	2,030,960,000	340,470,000	2,371,430,000
1920	1,067,240,000	136,990,000	1,204,230,000
1921	675,630,000	104,560,000	780,190,000
1922	1,117,060,000	150,400,000	1,267,460,000
1923	1,455,170,000	190,050,000	1,645,220,000
1924	1,561,010,000	206,220,000	1,767,230,000
1925	1,577,480,000	220,360,000	1,797,840,000

Yearly Average Prices of Cotton and Cotton Seed paid to Producers in the United States

Source: United States Bureau of the Census

CROP YEAR	Yearly Average Price of Lint Cotton per Pound (in Cents)	Yearly Average Price of Cotton Seed per Ton
1916	17.28	\$50.50
1917	27.12	66.08
1918	28.76	65.32
1919	35.36	67.18
1920	15.89	22.92
1921	16.90	29.72
1922	22.85	34.70
1923	28.70	42.22
1924	22.91	34.16
1925	19.59	30.88

Cotton ginned to Specified Dates and throughout the Season

[Running bales, except that round bales are counted as half bales. Linters are not included]

Source: United States Bureau of the Census

COTTON GINNED TO —	YEAR OF GROWTH					
	1921	1922	1923	1924	1925	1926 ¹
September 1	485,787	806,189	1,142,660	947,494	1,886,399	694,877
September 25	2,920,392	3,866,396	3,235,974	4,527,668 ²	7,126,248 ²	5,639,284 ²
October 18	5,497,364	6,978,321	6,409,391	7,615,981	9,518,946	8,722,066
November 1	6,646,354	8,139,215	7,556,042	9,715,643	11,207,197	11,259,038
November 14	7,274,201	8,869,978	8,369,498	11,162,235	12,260,352	12,953,708
December 1	7,639,961	9,319,601	9,243,380	12,237,659	13,870,507	14,644,966
December 13	7,790,656	9,488,852	9,549,015	12,792,294	14,831,846	15,542,249
January 1	7,882,356	9,597,330	9,811,038	— ³	— ³	— ³
January 16	7,912,452	9,648,261	9,944,032	13,306,813	15,499,893	16,609,517
Total gin- nings	7,977,778	9,729,306	10,170,594	13,639,399	16,122,516	17,687,607

¹ March, 1927, preliminary report.

² Ginned to October 1.

³ No ginning report.

Per Cent of Total Cotton ginned to Specified Dates

Source: United States Bureau of the Census

PER CENT GINNED TO —	YEAR OF GROWTH						
	1920	1921	1922	1923	1924	1925	1926 ¹
September 1	2.6	6.1	8.3	11.2	7.0	11.7	3.9
September 25	17.0	36.6	39.7	31.8	33.1 ²	44.1 ²	31.8
October 18	43.4	68.9	71.7	63.0	55.9	59.0	49.3
November 1	56.6	83.3	83.7	74.3	71.2	69.6	63.5
November 14	67.2	91.2	91.2	82.3	81.8	76.0	73.3
December 1	76.4	95.8	95.8	90.9	89.6	86.0	82.9
December 13	82.0	97.7	97.5	93.9	93.6	92.0	88.1
January 1	87.1	98.8	98.6	96.4	— ³	— ³	— ³
January 16	90.5	99.2	99.2	97.8	97.7	96.1	94.1

¹ Preliminary estimates.

² Ginned to October 1.

³ No ginning report.

Estimated Quantity of Cotton Seed produced, Quantity of Cotton Seed crushed, and Quantities and Values of Crude Products obtained

Statistics of the quantity of seed produced relate to the preceding crop year. Those of the quantity crushed and of the quantities and values of products obtained relate to the year ending July 31.

Source: United States Bureau of the Census

Year	Cotton Seed produced (Tons)	Cotton Seed crushed (Tons)	Total Value of Products	Quantity of Oil (Gallons)	Value of Oil	Quantity of Cake and Meal (Tons)	Value of Cake and Meal	Quantity of Hulls (Tons)	Value of Hulls	Quantity of Linters (500-Pound Bales)	Value of Linters
1913	6,104,000	4,579,508	\$132,230,000	185,750,000	\$69,100,000	1,999,000	\$45,970,000	1,540,000	\$9,710,000	583,091	\$7,450,000
1914	6,305,000	4,847,628	159,670,000	193,330,000	81,020,000	2,220,000	59,810,000	1,400,000	11,210,000	660,087	7,630,000
1915	7,186,000	5,779,665	152,880,000	229,260,000	80,540,000	2,648,000	57,740,000	1,677,000	8,450,000	820,274	6,150,000
1916	4,992,000	4,202,313	180,200,000	167,110,000	87,940,000	1,923,000	53,860,000	1,220,000	12,340,000	889,577	26,120,000
1917	5,113,000	4,479,176	287,192,000	187,688,000	153,419,000	2,225,000	74,586,000	969,000	13,994,000	1,273,345	45,193,000
1918	5,040,000	4,251,680	360,736,000	174,996,000	217,902,000	2,068,000	97,352,000	996,000	18,878,000	1,080,802	26,604,000
1919	5,360,000	4,478,508	383,580,000	176,711,000	227,316,000	2,170,000	116,119,000	1,137,000	17,917,000	889,500	22,228,000
1920	5,074,000	4,012,704	352,138,000	161,529,000	209,668,000	1,817,000	119,039,000	1,143,000	11,095,000	584,146	12,336,000
1921	5,971,000	4,069,166	156,513,000	174,558,000	84,650,000	1,786,000	58,298,000	1,256,000	10,059,000	422,226	3,506,000
1922	3,531,000	3,007,717	136,974,000	124,063,000	71,508,000	1,355,000	49,898,000	937,000	8,949,000	383,547	6,619,000
1923	4,336,000	3,241,557	173,254,000	133,723,000	84,818,000	1,487,000	59,037,000	944,000	12,200,000	584,177	17,199,000
1924	4,502,000	3,307,598	182,137,000	130,616,000	88,093,000	1,518,000	59,300,000	941,000	12,737,000	642,348	22,007,000
1925	6,051,000	4,605,227	240,355,000	187,170,824	126,665,000	2,125,618	79,173,000	1,330,764	13,749,000	859,624	21,268,000
1926	7,159,000	5,558,243	256,027,000	215,601,963	138,652,000	2,596,715	81,508,000	1,547,351	12,649,000	1,068,919	23,219,000

Review of Last Seven American Cotton Crops, 1920 to 1926

1920. A large area was planted to cotton in 1920, there being 37,043,000 acres under cultivation at the end of June. In only three years, 1913, 1914 and 1918, had this acreage been exceeded. The record acreage of 1913 was not very much larger than this, being 37,458,000. The 1920 crop got a poor start. Low temperatures and excessive rains delayed planting in some parts of the belt, and in other sections damaged the plants to such an extent that replanting was necessary. The crop was in poor condition at the end of May in all sections of the belt, especially in Texas and the Southeast. Much better weather prevailed in June, with resulting steady, and, in some parts of the belt, rather pronounced improvement. Weather conditions were normal during the first two weeks of July, but less so in the last week, due to frequent rains and lack of sunshine in Florida, Alabama, parts of Mississippi and in Louisiana. These conditions caused shedding and weevil activity. During August the crop made satisfactory advance in the more western and northwestern portions of the belt, but in the Southern States excessive rainfall interfered with its progress. At the end of the month the crop was in poor condition over a large part of the South, particularly Louisiana, Mississippi, Alabama, Georgia and Florida. The weather in September generally favored rapid opening of the bolls and quick harvesting. In October continued mild weather brought to maturity the late plants in the Northeastern States. The acreage harvested was 35,878,000. The average yield per acre was fairly good, being 178.4. The crop was the first of even average size since 1914. It totalled 13,270,970 running bales, counting round as half bales, exclusive of linters. The linters totalled 429,005 bales, making the total crop, including linters, 13,699,975 bales.

1921. The 1921 cotton crop was notable, not only on account of its smallness, but also because of the unusual degree to which the government and the trade misjudged its size until after picking was practically completed. As a result of the great decline in the price of the staple during the preceding season, a determined campaign was conducted throughout the belt to reduce the acreage, and the general impression through most of the growing season was that the area planted had actually been cut by fully 25 per cent as compared with 1920. This was confirmed by the Department of Agriculture, which reported in June that the acreage was 28.4 per cent less than the year previous and aggregated only 26,519,000 acres. At the very beginning of the season, weather conditions were generally favorable, but later, during April, excessive rains and low temperatures did much damage and forced a

great deal of replanting. May was more propitious, and in June the crop continued to make some progress, but on the whole the crop was in a very unsatisfactory condition at the end of June. Usually a low condition in one section of the belt is offset by fair to good conditions elsewhere, but in 1921 the condition at the close of June was low in almost all sections. In July the crop continued to lose ground slowly, and in August it deteriorated rapidly, largely due to an extensive drought in Texas, Oklahoma and Louisiana, excessive rains in some parts of the belt east of the Mississippi, and extraordinary ravages by the boll weevil. The result of all these adverse factors was that the government announced in September that the condition as of August 25 warranted a forecast of only 7,037,000 bales, and in October, taking the condition of September 25 as a basis, it predicted a crop of only 6,537,000 bales. These estimates, however, proved to be unduly low, not so much because of underestimating the yield per acre as because, as it was afterward shown, the acreage itself had been greatly understated. In December the Department announced that it was obliged, by information that it had received during the latter part of the season, to raise its estimate of the acreage from 26,519,000 to 31,678,000 acres. Only 30,509,000 acres were harvested, yielding 124.5 per acre. The crop totalled only 7,977,778 running bales exclusive of linters, and was the smallest in size since 1895. Linters aggregated 382,375 bales, making the total crop, including linters, 8,360,153.

1922. The boll weevil held the centre of the stage during 1922. It was hoped that after the small 1921 crop, 1922 would bring a pre-war normal, or at least one around 12,000,000 bales, but on June 25 the government forecast of 11,065,000 bales and 34,016,000 acres, and a month later of 11,449,000 bales dampened this somewhat. The season, however, was late, and heavy rains and low temperatures kept the crop back. Replanting was necessary in many instances and caused the weevil to be even more formidable as the advantage to be gained by an early start was lost. Drought in the Western States which mitigated against the pest also affected the crop seriously, so that hopes for a fair yield per acre were soon dissipated. The critical months of July and August brought an unusual condition. Would the poorly rooted crop resulting from a wet spring be damaged by hot weather unfavorable to the weevil? The answer was a split between hot weather damage in the Southwest and the boll weevil in the East. As a result the crop estimate fell to 10,575,000 bales on August 25 and to 10,135,000 on September 25. Picking and ginning were rapid, and growers were disposed to sell just as rapidly, so the crop came on the market speedily. The December forecast of 9,964,000 caused further disappointment.

Actual production amounted to 9,762,069 bales from 33,036,000 acres, or a yield of 141.5 pounds per acre.

1923. The tremendous acreage of 38,287,000 was under cultivation on June 25, as it was expected the world would readily consume a large crop after the small production of the two previous years. Unfortunately weather conditions were not propitious. A season which promised to be early turned out late. Much rain fell in the East during August, and the temperature was below normal. In the West, especially Texas and Oklahoma, a severe drought extended through July and August. The government forecast fell from 11,412,000 bales on June 25 to 10,081,000 in December. The March report of cotton ginned was 10,128,478 bales of 500 pounds each, and indicates a yield of 128.8 pounds per acre, based on 37,420,000 acres harvested. It seems weather conditions and not the boll weevil should be emphasized in discussing the 1923 crop. The weevil can be controlled, but the weather cannot. The weather, furthermore, is the supreme factor in raising cotton, and it must be acknowledged that in recent years excessive rain and drought have been to a great extent determining causes of small production.

1924. The crop of 1924 was one of surprises. The planting season was wet and cold. Many growers feared this would counteract the effects of the cold weather which had greatly reduced the number of boll weevils. May, however, proved a favorable month, and the record-breaking acreage planted (41,390,000) gave rise to hopes of a large crop.

June marked the beginning of a long drought which persisted in nearly all sections throughout the season. The crop withstood the dry weather satisfactorily as a result of the ample moisture in the soil. As the season progressed favorable conditions caused both government and private forecasts of the crop to be increased steadily. The much-discussed semi-monthly forecasts of the Department of Agriculture were inaugurated during the season of 1924.

The fall weather proved nearly ideal for harvesting the crop, and picking and ginning were carried on at a record pace. The March ginning report shows a crop of 13,618,751 bales, the largest crop in ten years. This figure indicates a yield of 162 pounds per acre as compared with the five-year average yield of 147 pounds per acre.

The boll weevil, a factor of utmost importance in previous years, did not play an important part in 1924. The cold winter and dry summer conspired to reduce the number of weevils very materially. The small amount of weevil damage and the large acreage planted were the outstanding features of the year's cotton crop.

1925. The planting season of 1925 started favorably, and a very large acreage was planted to cotton throughout the South. In fact, the acreage planted in 1925 established a new record, the government estimate of June 25 giving a figure of 46,448,000 acres. Later developments were less favorable, however, and considerable replanting became necessary in certain sections.

In midsummer a large part of the western half of the belt began to suffer from lack of moisture. The drought which was especially serious in southern Texas was not relieved until fall, so that over a considerable area the crop was practically a failure and many fields were completely abandoned. Outside of this southwestern territory, which was affected by abnormally light rainfall, the crop progressed satisfactorily in practically all sections.

The rather hot and dry weather which prevailed during a large part of the season aided in keeping the weevil in check, so that comparatively little damage was suffered from this cause.

The large acreage planted permitted and made possible a satisfactory crop in spite of the failure of some relatively limited areas. The March ginning report indicates a crop of 16,103,586 bales, the largest in ten years. One outstanding feature of the year's growth was the very large quantities of low grades produced, especially in some sections where replanting had made the crop late.

1926. The cotton crop of 1926 was the largest in history. The March ginning report shows a total of 17,687,607 bales, or approximately one and one-half million bales more than the previous high. This figure may be increased slightly, as picking was still going on at the time of the ginning report.

The growing season of 1926 was one of contradictions. Due to weather conditions the crop as a whole was from one to three weeks late, and throughout June, July and August there were alternate reports of too much or too little rain.

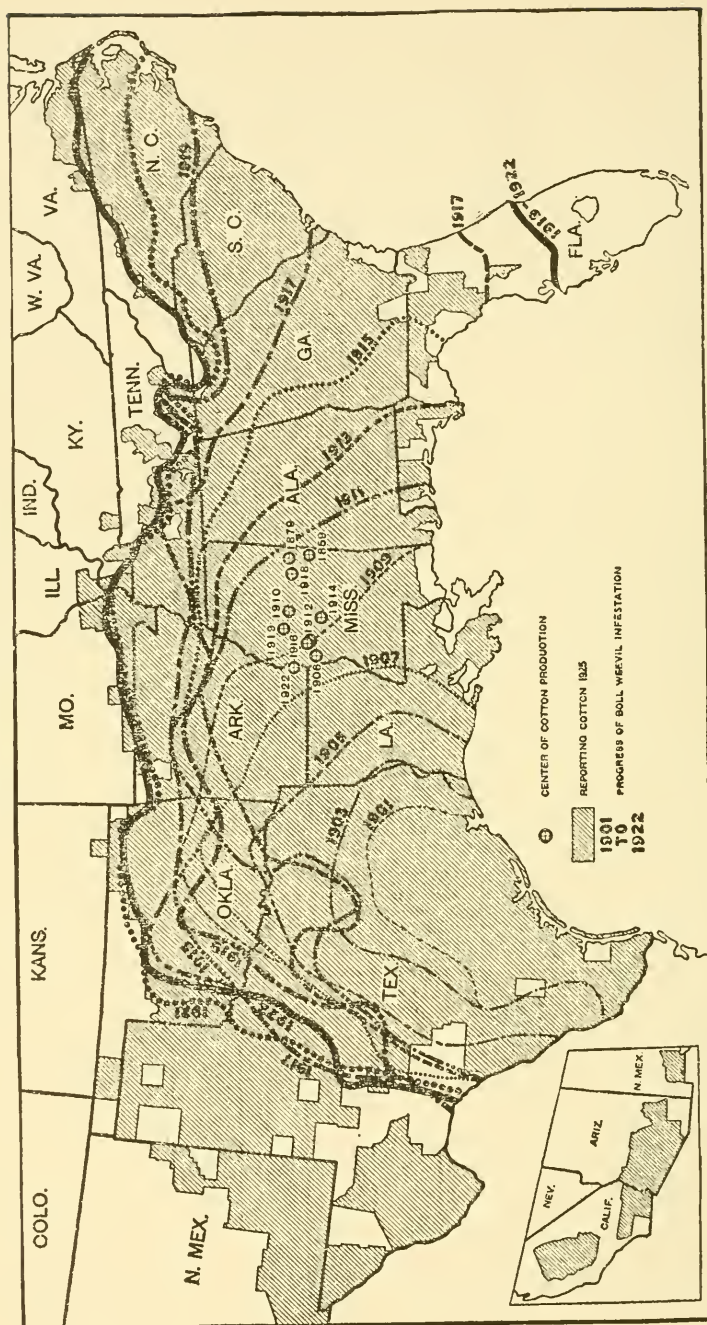
A new pest, the cotton flea or hopper, at one time was thought to be a serious menace, but did not prove to be. The army worm infested a large area in Texas and was thought to have done irretrievable damage, but the stripping of the leaves from the plants apparently helped the crop by letting the sun through on to the lower bolls so that there was a very uniform maturity with a comparatively high yield.

A large crop was indicated in the government report of June 25 with 48,898,000 acres in cultivation. The early season reports predicted a crop of from fifteen to fifteen and one-half million bales, and as late as the last of September private reports averaged around fourteen and three-fourths million bales.

The reported insect damage and unfavorable weather in addition to the light ginnings up to the last of September seemed to substantiate the private reports. It was not until the October 18 Bureau report, when the estimate jumped to 17,454,000 bales, that the real size of the crop was apparent.

Sledge cotton became an appreciable factor for the first time, and large quantities of cotton, too low in grade to be tenderable on contract, resulted. The crop as a whole was low grade due to the weather conditions but was unusually free from tinges and stains due to the late frost. One of the unusual features of the season was the inauguration by the Bureau of a high, low, and average estimate in the cotton crop reports.

The American Cotton Belt



World's Takings of American Cotton during Past Five Seasons

[In thousands of running bales. Linters included]

Source: New York Cotton Exchange Statistics

WEEK ENDING —		1921-22		1922-23		1923-24		1924-25		1925-26	
		Week	Season	Week	Season	Week	Season	Week	Season	Week	Season
August	7	181	181	154	154	51	51	18	18	—	—
	14	210	391	199	353	111	162	82	100	155	155
	21	233	624	184	537	97	259	155	255	172	327
	28	218	841	143	680	96	355	105	360	161	488
September	4	283	1,124	201	881	114	469	135	495	147	635
	11	217	1,340	191	1,072	164	633	155	650	241	876
	18	243	1,583	243	1,315	159	792	178	828	241	1,117
	25	215	1,798	214	1,529	184	976	193	1,021	299	1,416
October	2	257	2,055	238	1,767	235	1,211	201	1,222	288	1,704
	9	311	2,366	297	2,064	302	1,513	304	1,526	290	1,994
	16	341	2,707	293	2,358	354	1,867	306	1,832	347	2,341
	23	408	3,115	405	2,763	361	2,228	359	2,191	420	2,761
November	30	373	3,487	326	3,088	388	2,616	367	2,558	465	3,226
	6	366	3,853	372	3,461	327	2,943	365	2,923	472	3,698
	13	339	4,192	405	3,866	341	3,284	348	3,271	463	4,161
	20	361	4,553	408	4,274	384	3,668	398	3,669	420	4,581
December	27	278	4,831	399	4,673	394	4,062	511	4,180	457	5,038
	4	325	5,156	325	4,998	358	4,420	429	4,609	414	5,452
	11	287	5,443	389	5,387	331	4,751	425	5,034	444	5,896
	18	263	5,705	348	5,735	320	5,071	419	5,453	515	6,411
January	25	251	5,957	318	6,053	294	5,365	367	5,820	405	6,816
	1	204	6,161	296	6,349	272	5,637	348	6,168	385	7,201
	8	258	6,419	352	6,701	258	5,895	338	6,506	371	7,572
	15	210	6,629	269	6,970	289	6,184	409	6,915	359	7,931
February	22	284	6,913	311	7,281	289	6,473	423	7,338	354	8,285
	29	238	7,151	250	7,531	239	6,712	309	7,647	324	8,609
	5	260	7,411	261	7,792	295	7,007	357	8,004	349	8,958
	12	213	7,624	259	8,051	232	7,239	396	8,400	340	9,298
March	19	218	7,842	270	8,321	226	7,465	344	8,744	298	9,596
	26	190	8,032	246	8,567	214	7,679	386	9,130	322	9,918
	5	268	8,299	250	8,818	200	7,879	320	9,450	278	10,196
	12	185	8,484	217	9,035	176	8,055	350	9,800	308	10,504
April	19	269	8,753	220	9,255	223	8,278	350	10,150	293	10,797
	26	214	8,966	236	9,491	155	8,433	378	10,528	284	11,081
	2	224	9,190	216	9,707	173	8,606	356	10,884	265	11,346
	9	178	9,368	227	9,934	192	8,798	320	11,204	241	11,587
May	16	183	9,551	168	10,102	192	8,990	247	11,451	253	11,840
	23	177	9,728	181	10,283	177	9,167	220	11,671	218	12,058
	30	233	9,961	155	10,438	193	9,360	214	11,885	238	12,296
	7	234	10,195	158	10,596	160	9,520	283	12,168	266	12,562
June	14	228	10,423	158	10,754	178	9,698	242	12,410	181	12,743
	21	243	10,666	151	10,905	194	9,892	265	12,675	165	12,908
	28	220	10,886	137	11,042	157	10,049	237	12,912	252	13,160
	4	213	11,099	141	11,183	137	10,186	203	13,115	181	13,341
July	11	193	11,292	149	11,332	141	10,327	198	13,313	228	13,569
	18	250	11,542	117	11,449	54	10,381	203	13,516	212	13,781
	25	213	11,755	124	11,573	100	10,481	194	13,710	188	13,969
	2	221	11,976	135	11,708	129	10,610	165	13,875	183	14,152
	9	211	12,187	103	11,811	114	10,724	150	14,025	200	14,352
	16	197	12,384	109	11,920	128	10,852	180	14,205	140	14,492
	23	220	12,604	96	12,016	94	10,946	157	14,362	187	14,679
	30	190	12,794	106	12,122	113	11,059	171	14,533	189	14,868
	31	95	12,889	67	12,189	85	11,144	236	14,769	215	15,083

American (including Canadian) Takings of American Cotton during Past Five Seasons

[In thousands of running bales. Linters included]

Source: New York Cotton Exchange Statistics

WEEK ENDING —		1921-22		1922-23		1923-24		1924-25		1925-26	
		Week	Season	Week	Season	Week	Season	Week	Season	Week	Season
August	7	73	73	60	60	31	31	8	8	52	52
	14	77	150	91	151	46	77	43	51	64	116
	21	81	230	68	219	43	120	41	92	60	176
	28	99	329	66	285	36	156	60	152	63	239
September	4	124	453	111	396	48	204	52	204	154	393
	11	117	570	99	495	101	305	88	292	153	546
	18	112	682	131	626	105	410	86	378	173	719
	25	114	796	123	749	118	528	118	496	182	901
October	2	140	935	127	876	128	656	118	614	166	1,067
	9	201	1,136	197	1,073	184	840	161	775	189	1,256
	16	211	1,347	204	1,277	199	1,039	167	942	263	1,519
	23	237	1,583	256	1,533	249	1,288	188	1,130	282	1,801
	30	235	1,817	268	1,801	243	1,531	199	1,329	281	2,082
November	6	228	2,046	233	2,034	193	1,724	230	1,559	219	2,301
	13	206	2,252	244	2,278	210	1,934	194	1,753	242	2,543
	20	188	2,439	258	2,536	236	2,170	227	1,980	231	2,774
	27	165	2,604	259	2,795	240	2,410	233	2,213	204	2,978
December	4	170	2,773	228	3,023	248	2,658	256	2,469	261	3,239
	11	144	2,917	249	3,272	180	2,838	229	2,698	269	3,508
	18	131	3,049	218	3,490	169	3,007	208	2,906	200	3,708
	25	119	3,167	195	3,685	181	3,188	191	3,097	176	3,884
January	1	118	3,285	173	3,858	147	3,335	165	3,262	192	4,076
	8	128	3,413	197	4,055	132	3,467	193	3,455	189	4,265
	15	127	3,540	202	4,257	156	3,623	188	3,643	171	4,436
	22	120	3,660	169	4,426	142	3,765	207	3,850	134	4,570
	29	121	3,782	141	4,567	130	3,895	156	4,006	128	4,698
February	5	128	3,910	125	4,692	134	4,029	161	4,167	175	4,873
	12	119	4,029	116	4,808	132	4,161	190	4,357	172	5,045
	19	101	4,130	144	4,952	118	4,279	169	4,526	135	5,180
	26	103	4,234	133	5,085	97	4,376	171	4,697	122	5,302
March	5	112	4,346	121	5,206	96	4,472	159	4,856	135	5,437
	12	108	4,454	115	5,321	82	4,554	173	5,029	136	5,573
	19	103	4,557	99	5,420	83	4,637	165	5,194	126	5,699
	26	87	4,645	99	5,519	83	4,720	170	5,364	123	5,822
April	2	101	4,746	98	5,617	79	4,799	171	5,535	120	5,942
	9	85	4,831	107	5,724	83	4,882	118	5,653	121	6,063
	16	81	4,912	81	5,805	64	4,946	100	5,753	102	6,165
	23	82	4,994	95	5,900	67	5,013	109	5,862	94	6,259
	30	75	5,069	90	5,990	68	5,081	95	5,957	90	6,349
May	7	132	5,201	109	6,099	62	5,143	105	6,062	83	6,432
	14	110	5,311	94	6,193	60	5,203	100	6,162	76	6,508
	21	110	5,421	68	6,261	57	5,260	85	6,247	78	6,586
	28	110	5,531	60	6,321	56	5,316	79	6,326	86	6,672
June	4	87	5,618	51	6,372	46	5,362	74	6,400	101	6,773
	11	87	5,705	51	6,423	29	5,391	75	6,475	100	6,873
	18	81	5,786	57	6,480	28	5,419	74	6,549	79	6,952
	25	82	5,868	61	6,541	28	5,447	64	6,613	68	7,020
July	2	90	5,958	50	6,591	31	5,478	59	6,672	79	7,099
	9	74	6,032	58	6,649	35	5,513	45	6,717	56	7,155
	16	75	6,107	53	6,702	31	5,544	38	6,755	83	7,238
	23	80	6,187	52	6,754	30	5,574	53	6,808	82	7,320
	30	56	6,243	52	6,806	31	5,605	63	6,871	69	7,399
	31	55	6,298	12	6,818	20	5,625	71	6,942	28	7,417

Movement of American Crop into Sight during Past Five Seasons

[In thousands of running bales. Linters included]

Source: New York Cotton Exchange Statistics

WEEK ENDING —		1921-22		1922-23		1923-24		1924-25		1925-26	
		Week	Season	Week	Season	Week	Season	Week	Season	Week	Season
August	7	92	92	51	51	31	31	6	6	—	—
	14	116	208	96	147	61	92	52	58	82	82
	21	132	341	93	240	89	181	64	122	112	194
	28	141	482	115	355	133	314	79	201	175	369
September	4	188	558	186	541	209	523	177	378	278	647
	11	212	882	251	792	271	794	268	646	475	1,122
	18	246	1,128	325	1,117	317	1,111	365	1,011	517	1,639
	25	335	1,463	440	1,557	424	1,535	481	1,492	629	2,268
October	2	420	1,883	508	2,065	456	1,991	516	2,008	710	2,978
	9	500	2,383	598	2,663	565	2,556	588	2,596	735	3,713
	16	520	2,903	596	3,259	580	3,136	647	3,243	721	4,434
	23	483	3,385	671	3,930	614	3,750	741	3,984	788	5,522
	30	463	3,848	626	4,556	597	4,347	685	4,669	771	5,993
November	6	448	4,296	608	5,164	518	4,865	723	5,392	763	6,756
	13	393	4,689	546	5,710	475	5,340	664	6,056	692	7,448
	20	388	5,072	522	6,232	512	5,825	684	6,740	621	8,069
	27	304	5,376	447	6,679	501	6,353	720	7,460	622	8,691
December	4	305	5,681	361	7,040	491	6,844	660	8,120	608	9,299
	11	274	5,956	338	7,378	387	7,231	629	8,749	649	9,948
	18	250	6,201	297	7,675	368	7,599	493	9,242	624	10,572
	25	264	6,464	250	7,925	301	7,900	506	9,748	528	11,100
January	1	245	6,709	257	8,182	302	8,202	406	10,154	459	11,559
	8	184	6,893	231	8,413	219	8,421	422	10,576	409	11,968
	15	184	7,078	224	8,637	234	8,655	366	10,942	303	12,271
	22	189	7,266	189	8,826	230	8,885	378	11,313 ¹	264	12,535
	29	160	7,427	170	8,995	195	9,080	268	11,581	277	12,812
February	5	144	7,571	152	9,148	185	9,265	258	11,839	247	13,059
	12	151	7,722	116	9,263	161	9,426	263	12,102	250	13,309
	19	143	7,865	105	9,369	152	9,578	297	12,399	244	13,553
	26	134	7,999	121	9,489	118	9,696	257	12,656	241	13,794
March	5	141	8,141	123	9,612	103	9,799	233	12,889	184	13,978
	12	138	8,278	129	9,741	80	9,879	240	13,129	174	14,152
	19	155	8,433	126	9,867	81	9,960	224	13,353	166	14,318
	26	149	8,582	125	9,992	90	10,050	215	13,568	158	14,476
April	2	153	8,735	107	10,099	81	10,131	176	13,744	172	14,648
	9	133	8,868	68	10,167	78	10,209	100	13,844	146	14,794
	16	141	9,009	62	10,229	84	10,293	95	13,939	135	14,929
	23	125	9,134	65	10,294	83	10,376	83	14,022	128	15,057
	30	124	9,258	77	10,371	78	10,454	94	14,116	114	15,171
May	7	157	9,415	71	10,442	78	10,532	82	14,198	125	15,296
	14	158	9,573	65	10,506	72	10,604	85	14,283	99	15,395
	21	143	9,716	50	10,556	73	10,677	60	14,343	99	15,494
	28	153	9,869	55	10,611	74	10,751	59	14,402	81	15,575
June	4	124	9,993	50	10,661	70	10,821	65	14,467	87	15,662
	11	126	10,119	50	10,711	55	10,876	66	14,533	86	15,748
	18	103	10,222	56	10,767	40	10,916	54	14,587	85	15,833
	25	109	10,331	59	10,827	49	10,965	48	14,635	84	15,917
July	2	100	10,431	59	10,886	43	11,008	46	14,681	66	15,983
	9	85	10,516	48	10,934	46	11,054	30	14,711	63	16,046
	16	74	10,590	42	10,976	41	11,095	31	14,742	44	16,090
	23	71	10,662	35	11,011	45	11,140	58	14,800	59	16,149
	30	26	10,688	42	11,053	46	11,186	64	14,864	58	16,207
	31	57	10,745	39	11,091	40	11,226	78	14,942	51	16,258

¹ 7,000 bales burned.

Monthly Movement of Cotton into Sight

[Running bales, linters included]

Source: New York Cotton Exchange

	1922-23	1923-24	1924-25	1925-26
August	444,343	523,137	421,375	793,736
September	1,676,461	1,543,717	1,934,838	2,737,508
October	2,698,384	2,638,665	3,035,433	3,348,139
November	2,096,038	2,138,035	2,853,939	2,672,223
December	1,274,932	1,445,279	2,261,434	2,352,759
January	847,799	935,395	1,377,691	1,192,761
February	519,094	574,369	1,046,591	913,099
March	560,223	369,007	891,552	736,783
April	287,827	355,314	399,238	548,682
May	248,224	310,818	263,397	401,927
June	238,422	207,107	221,987	335,030
July	199,974	190,342	240,903	255,795
	11,091,721	11,226,185	14,948,278	16,288,442
Burned	564 ¹	—	6,604	—
Total into sight	11,091,157	11,226,185	14,941,674	16,288,442
Add	91,240 ²	96,016 ²	21,259 ²	—
Deduct	—	—	—	632,971 ³
Total crop	11,182,397	11,322,201	14,962,933	15,655,471

¹ Burned at interior towns.

² Decrease of stock at interior towns under previous year.

³ Excess of stock at interior towns over previous year.

Percentage of Loss of Cotton due to Boll Weevil, 1912-25

[Expressed in percentage of a normal or full yield per acre]

Source: United States Department of Agriculture

STATE	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
North Carolina	-	-	-	-	-	-	-	-	-	3.58	12.27	12.97	7.49	8.04
South Carolina	-	-	-	.02	.02	.01	.07	3.00	13.26	31.48	40.48	26.95	15.93	11.71
Georgia	-	.10	-	.28	3.44	9.06	10.73	19.36	30.56	45.12	44.28	36.62	15.11	6.68
Florida	.30	11.80	-	13.14	20.98	27.07	23.85	40.46	32.10	27.62	32.50	32.53	27.73	6.43
Tennessee	-	.10	.08	.04	1.23	1.74	.37	.17	.57	7.21	8.84	20.75	2.38	.31
Alabama	1.50	4.80	6.02	16.16	27.91	28.88	12.14	28.77	36.03	32.39	25.51	32.52	11.77	4.88
Mississippi	18.00	33.90	24.14	24.68	31.73	22.22	10.41	19.56	32.25	30.38	27.65	30.82	7.38	2.99
Louisiana	13.70	25.10	17.66	19.85	24.31	11.89	9.79	24.84	25.99	34.80	24.61	23.25	4.59	9.52
Texas	2.80	6.80	7.86	16.28	18.53	7.26	4.43	13.96	19.90	33.66	16.25	9.96	7.63	2.35
Oklahoma	.50	.40	.79	2.70	3.70	4.35	1.30	1.48	8.81	41.36	25.67	19.33	3.93	1.83
Arkansas	2.40	2.80	2.93	4.60	7.49	8.96	3.14	4.79	9.41	21.84	18.15	15.87	3.70	1.80
United States average ¹	3.26	6.69	5.91	9.93	13.36	9.34	5.83	13.20	19.95	30.98	24.17	19.55	8.01	3.87

¹ Average is weighted and includes cotton States in which there was no damage by boll weevil.

Indian Cotton Production

These statistics embrace all cotton produced in India, including that used in house manufacture as well as that taken by factories or exported.

[In bales of 400 pounds each]

Source: Department of Commercial Intelligence and Statistics, India

PROVINCES AND STATES	1922-23	1923-24	1924-25	1925-26	1926-27 ¹
Bombay ²	1,328,000	1,212,000	1,589,000	1,566,000	1,267,000
Central Provinces and Berar	1,040,000	1,020,000	1,000,000	980,000	900,000
Madras ²	431,000	484,000	567,000	569,000	379,000
Punjab ²	397,000	630,000	910,000	908,000	598,000
United Provinces ²	180,000	213,000	276,000	277,000	257,000
Sind ²	— ³	— ³	— ³	— ³	— ³
Burma	45,000	46,000	70,000	83,000	73,000
Bengal ²	17,000	21,000	24,000	61,000	61,000
Bihar and Orissa	15,000	16,000	14,000	15,000	14,000
North-West Frontier	3,000	5,000	8,000	7,000	5,000
Assam	14,000	14,000	15,000	13,000	15,000
Delhi	1,000	1,000	1,000	1,000	1,000
Ajmer-Merwara	15,000	13,000	15,000	17,000	15,000
Hyderabad	1,116,000	1,079,000	899,000	1,060,000	808,000
Central India	181,000	162,000	259,000	270,000	222,000
Baroda	116,000	76,000	171,000	189,000	124,000
Rajputana	76,000	73,000	89,000	93,000	81,000
Mysore	24,000	15,000	36,000	25,000	25,000
Gwalior	74,000	60,000	145,000	116,000	107,000
Total	5,073,000	5,140,000	6,088,000	6,250,000	4,952,000

¹ February, 1927, estimate.

² Includes Indian States.

³ Included in Bombay.

Indian Cotton Yield per Acre

[In pounds]

Source: Department of Commercial Intelligence and Statistics, India.

PROVINCES AND STATES	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27 ¹
Bombay ²	66	96	90	71	82	77	75
Central Provinces and Berar	46	102	102	83	81	73	72
Madras ²	64	79	75	73	78	78	67
Punjab ²	110	93	115	131	141	119	85
United Provinces ²	116	119	108	130	105	110	127
Sind ²	60	145	172	— ³	— ³	— ³	— ³
Burma	67	52	66	61	86	72	67
Bengal ²	120	91	94	118	125	147	148
Bihar and Orissa	79	75	75	79	71	73	71
North-West Frontier	74	80	80	87	82	87	69
Assam	141	113	130	144	133	111	130
Delhi	—	80	152	133	100	67	100
Ajmer-Merwara	143	185	167	127	133	126	140
Hyderabad	62	119	117	123	105	112	99
Central India	49	70	97	66	71	79	68
Baroda	64	57	80	46	104	87	65
Rajputana	87	92	101	88	87	91	78
Mysore	40	102	116	71	122	120	103
Gwalior	—	—	—	48	54	71	66
Average	68	97	98	87	91	88	80

¹ February, 1927, estimate.

² Includes Indian States.

³ Included in Bombay.

Indian Cotton Acreage

Source: Department of Commercial Intelligence and Statistics, India

PROVINCES AND STATES	1922-23	1923-24	1924-25	1925-26	1926-27 ¹
Bombay ²	5,817,000	6,788,000	7,713,000	8,117,000	6,768,000
Central Provinces and Berar	4,857,000	4,933,000	5,247,000	5,385,000	4,982,000
Madras ²	2,348,000	2,663,000	2,903,000	2,921,000	2,260,000
Punjab ²	1,394,000	1,927,000	2,589,000	3,052,000	2,799,000
United Provinces ² .	664,000	654,000	1,049,000	1,004,000	807,000
Sind ²	— ³	— ³	— ³	— ³	— ³
Burma	284,000	301,000	352,000	464,000	438,000
Bengal ²	72,000	71,000	77,000	166,000	165,000
Bihar and Orissa . .	80,000	81,000	79,000	82,000	79,000
North-West Frontier .	15,000	23,000	39,000	32,000	29,000
Assam	40,000	39,000	45,000	47,000	46,000
Delhi	2,000	3,000	4,000	6,000	4,000
Ajmer-Merwara . . .	36,000	41,000	45,000	54,000	43,000
Hyderabad	3,813,000	3,500,000	3,412,000	3,781,000	3,267,000
Central India	889,000	982,000	1,354,000	1,369,000	1,298,000
Baroda	585,000	657,000	658,000	866,000	761,000
Rajputana	302,000	330,000	418,000	411,000	514,000
Mysore	83,000	84,000	118,000	83,000	97,000
Gwalior	523,000	500,000	699,000	651,000	649,000
Total	21,804,000	23,577,000	26,801,000	28,491,000	25,006,000

¹ February, 1927, estimate.

² Includes Indian States.

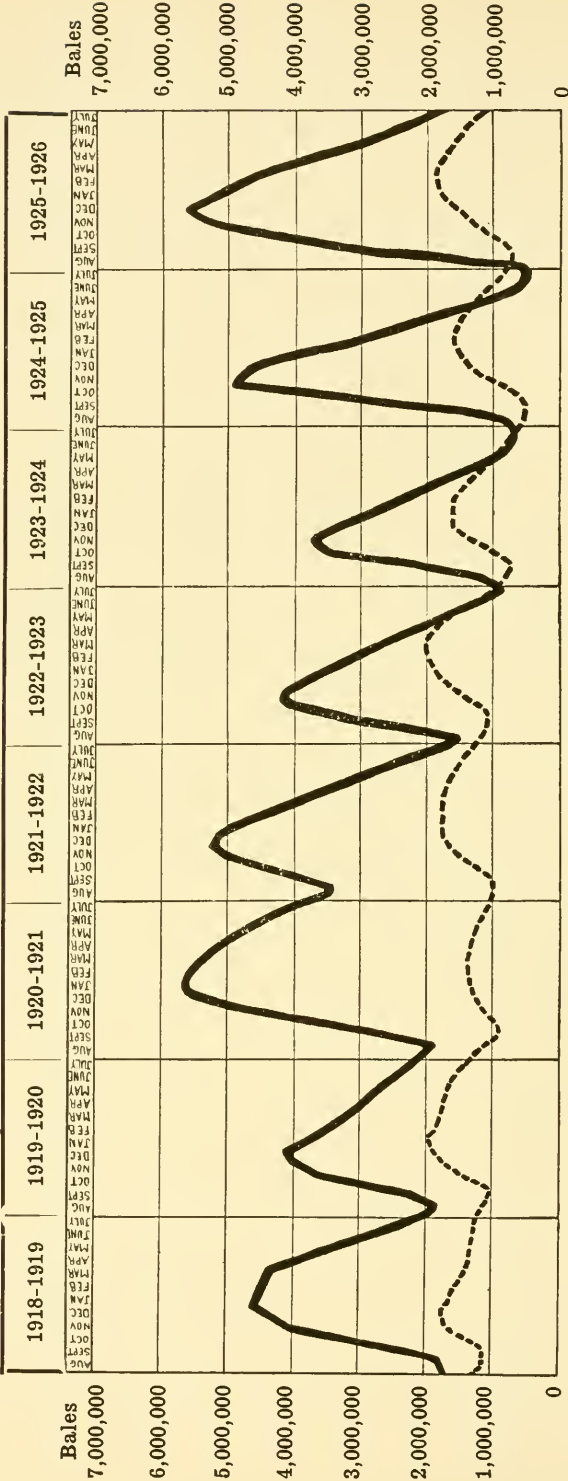
³ Included in Bombay.

United States Stocks of Cotton and Linters

[American cotton in running bales, counting round as half bales; foreign cotton in equivalent 500-pound bales]

Source: United States Bureau of the Census

AT END OF—	TOTAL COTTON EXCLUSIVE OF LINTERS		LINTERS		SEA ISLAND		EGYPTIAN	
	In Consuming Establishments	In Public Storage and at Compresses	In Consuming Establishments	In Public Storage and at Compresses	In Consuming Establishments	In Public Storage and at Compresses	In Consuming Establishments	In Public Storage
August, 1925	680,527	1,040,178	97,230	22,747	2,500	515	41,722	7,887
September, 1925	866,011	3,137,620	79,904	18,875	2,272	517	35,935	8,510
October, 1925	1,216,437	4,499,382	82,606	28,694	2,346	516	25,992	5,988
November, 1925	1,456,166	5,206,283	106,370	36,608	2,126	514	20,045	6,161
December, 1925	1,717,972	5,608,066	135,448	50,723	2,235	497	27,306	9,503
January, 1926	1,811,392	5,175,834	159,875	69,588	2,057	520	45,507	21,198
February, 1926	1,831,296	4,744,090	174,976	80,151	1,870	513	49,877	24,534
March, 1926	1,707,686	4,162,628	187,298	84,658	1,902	420	65,866	27,671
April, 1926	1,639,174	3,530,811	180,192	84,269	1,911	411	66,807	26,965
May, 1926	1,449,932	2,964,824	165,019	83,423	2,204	324	66,042	29,769
June, 1926	1,267,796	2,407,816	153,718	62,989	1,478	824	64,326	30,101
July, 1926	1,096,521	1,936,662	144,347	53,548	1,462	324	64,437	28,510
Season ending —								
July, 1925	865,842	514,006	128,916	28,698	2,703	501	50,475	11,526
July, 1924	721,589	673,925	100,632	54,026	2,465	2,038	51,655	12,586
July, 1923	1,093,618	938,903	127,139	36,000	2,947	3,969	86,508	51,316
July, 1922	1,218,388	1,488,165	138,523	54,587	3,787	3,303	62,863	53,427
July, 1921	1,111,147	3,723,213	201,353	234,926	4,489	6,126	68,914	59,148
July, 1920	1,358,147	2,055,015	277,218	382,432	14,654	9,791	117,300	102,799
July, 1919	1,303,418	2,208,367	266,539	227,358	19,487	31,538	36,858	15,899
July, 1918	1,465,223	1,734,965	138,108	236,809	20,000	36,494	35,917	31,363
July, 1917	1,501,916	888,257	112,972	230,687	36,482	19,912	75,250	42,662
July, 1916	1,632,245	1,107,464	100,441	113,106	27,454	10,870	123,406	59,202
July, 1915	1,401,185	1,784,919	198,905	89,881	24,919	4,678	96,828	25,123
August, 1914	675,873	546,944	75,346	29,673	21,028	7,453	52,413	6,205
August, 1913	717,704	467,902	60,454	27,378	19,896	Not available	74,518	1,876



The above chart is based on the table on the following page.

— In public storage and at compresses
--- In consuming establishments

United States Stocks of Cotton in Consuming Establishments, in Public Storage and at Compresses

[American cotton is counted in running bales; foreign cotton, in equivalent 500-pound bales]

Linters are not included

The table below does not include cotton in transit, in private storage or on plantations. It embraces merely the cotton in consuming establishments, in public storage and at compresses, as compiled monthly by the United States Bureau of the Census.

At End of —	1920-21		1921-22		1922-23		1923-24		1924-25		1925-26	
	In Consuming Establishments	In Public Storage and at Compresses	In Consuming Establishments	In Public Storage and at Compresses	In Consuming Establishments	In Public Storage and at Compresses	In Consuming Establishments	In Public Storage and at Compresses	In Consuming Establishments	In Public Storage and at Compresses	In Consuming Establishments	In Public Storage and at Compresses
August	1,126,783	1,964,463	1,006,066	3,463,964	1,024,874	1,530,141	810,511	1,172,287	552,669	870,913	680,527	1,040,178
September	901,373	2,797,338	1,118,045	4,312,135	1,065,816	3,217,939	772,632	2,147,012	514,537	2,072,956	866,011	3,137,620
October	940,480	4,132,967	1,398,138	4,984,831	1,381,945	4,287,119	1,066,347	3,485,005	730,656	4,224,854	1,216,437	4,499,382
November	1,118,418	5,100,978	1,655,359	5,292,941	1,724,488	4,197,955	1,444,474	3,769,204	1,016,612	4,914,219	1,456,166	5,206,283
December	1,251,122	5,623,646	1,738,138	5,306,663	1,917,231	4,069,470	1,627,628	3,512,577	1,319,265	4,623,863	1,717,972	5,608,066
January	1,263,961	5,645,482	1,668,668	4,621,708	1,988,115	3,485,952	1,637,824	2,963,973	1,433,814	3,863,475	1,811,292	5,175,824
February	1,327,155	5,503,139	1,595,242	4,214,802	2,020,900	2,803,304	1,583,439	2,497,075	1,546,210	3,075,140	1,831,296	4,744,090
March	1,336,542	5,252,852	1,557,923	3,752,258	2,033,837	2,379,697	1,498,266	1,983,544	1,633,783	2,028,331	1,707,686	4,162,628
April	1,315,706	5,026,894	1,461,340	3,213,483	1,878,198	1,965,714	1,328,273	1,512,086	1,514,514	166,147	1,630,174	3,530,811
May	1,280,723	4,738,267	1,420,428	2,559,451	1,634,167	1,580,219	1,157,778	1,126,711	1,348,304	1,131,920	1,449,932	2,904,824
June	1,203,364	4,300,386	1,330,903	1,953,478	1,347,468	1,227,184	950,625	882,204	1,123,813	759,945	1,267,796	2,407,816
July	1,111,147	3,723,213	1,218,388	1,488,165	1,093,618	938,903	719,827	673,934	866,259	514,196	1,096,521	1,936,662

Carry-over of Cotton

The term "carry-over" has several meanings. It may refer (1) simply to cotton held in the United States, or (2) American cotton held anywhere in the world, or (3) all kinds of cotton held anywhere in the world. Statistics of carry-over as issued by trade authorities differ widely from each other each year, not only because of the various meanings of the term, as just stated, but also because some authorities count the carry-over in running bales, disregarding the fact that Egyptian bales, for example, weigh approximately 750 pounds and Indian bales only 400, while others compute the quantities of foreign cottons in equivalent 500-pound bales, and some authorities include American linters while others do not.

Following are statistics of the amount of cotton carried over from each season for several years past, as computed, on different bases, by leading authorities.

World Carry-over of American Cotton

The table below was compiled by Henry G. Hester, Secretary of the New Orleans Cotton Exchange. It includes all American cotton held in the American cotton belt, — *i.e.*, at southern mills, at counted and uncounted interior towns, and on plantations, — stocks at northern mills and at the ports of the United States, and stocks at European ports and at European mills. This embraces practically all American cotton held anywhere in the world. The only stocks not included in this table are those in Japan and scattering stocks in the less important manufacturing countries where some American cotton may be found, such as Canada and Mexico. The cotton is counted in running bales, round bales being counted as half bales.

DATE	Including Linters	Exclusive of Linters
July 31, 1926	5,362,000	5,101,000
July 31, 1925	2,991,000	2,826,000
July 31, 1924	2,319,000	2,039,000
July 31, 1923	2,573,000	2,396,000
July 31, 1922	4,879,000	4,547,000
July 31, 1921	9,364,000	8,699,000
July 31, 1920	6,216,000	5,216,000
July 31, 1919	6,909,000	6,094,000
July 31, 1918	4,422,000	4,018,000
July 31, 1917	4,305,000	3,688,000
July 31, 1916	5,105,000	4,742,000
July 31, 1915	7,701,000	7,551,000
August 31, 1914	4,564,000	4,399,000

Supply and Distribution of Cotton in the United States for the Twelve Months ending July 31, 1926

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton and domestic cotton, reimported, in equivalent 500-pound bales. Linters are not included]

Source: United States Bureau of the Census

SUPPLY		Bales
On hand August 1, 1925, total		1,609,848
In consuming establishments, total	865,842	
In cotton-growing States	428,647	
In all other States	437,195	
In public storage and at compresses	514,006	
In cotton-growing States	389,488	
In all other States	124,518	
Elsewhere (partially estimated) ¹	230,000	
Imports foreign cotton, total	325,511	
Re-exported	11,311	
Net imports		314,200
Ginnings, crop of 1925, total	16,122,516	
Prior to August 1, 1925	161,632	
During cotton year 1925-26		15,960,884
Ginnings, crop of 1926 prior to August 1		47,770
Aggregate supply		17,932,702
DISTRIBUTION		
Exports domestic cotton, total	8,051,491	
Reimported	6,659	
Net exports		8,044,832
Consumed, total		6,445,852
In cotton-growing States	4,500,243	
In all other States	1,955,609	
Burned		50,000
On hand July 31, 1926, total		3,542,560
In consuming establishments, total	1,096,647	
In cotton-growing States	624,345	
In all other States	472,302	
In public storage and at compresses	1,935,913	
In cotton-growing States	1,708,461	
In all other States	227,452	
Elsewhere (partially estimated) ¹	510,000	
Aggregate distribution		18,093,244
Excess of distribution over supply ²		160,542

¹ Includes cotton for export on shipboard but not cleared; cotton coastwise; cotton in transit to ports, interior towns, and mills; cotton on farms, etc.

² Due principally to the inclusion in all distribution items of the "city crop," which consists of rebaled samples and pickings from cotton damaged by fire and weather.

Mid-Season Stocks of All Cottons in the World

Source: Garside Cotton Service

[American cotton in running bales; foreign cotton in equivalent bales of 478 pounds net weight;
American linters not included]

	MID-SEASON STOCKS OF ALL COTTONS				
	Jan. 31, 1922	Jan. 31, 1923	Jan. 31, 1924	Jan. 31, 1925	Jan. 31, 1926
In public storage, etc.:					
Farms, etc., in United States	2,366,000	1,330,000	1,108,000	1,823,000	2,252,000
Public storage in United States . .	4,624,000	3,483,000	2,958,000	3,861,000	5,176,000
Unmarketed Foreign Crops ¹	3,876,000	4,107,000	4,364,000	5,509,000	5,563,000
Alexandria	497,000	461,000	368,000	377,000	453,000
Bombay	654,000	472,000	326,000	330,000	377,000
Afloat to Europe . .	495,000	624,000	745,000	813,000	589,000
Ports in Europe . .	1,771,000	1,473,000	1,312,000	1,649,000	1,613,000
Elsewhere ²	735,000	522,000	619,000	771,000	749,000
Total	15,018,000	12,472,000	11,800,000	15,133,000	16,772,000
In Mills:					
United States	1,669,000	1,989,000	1,632,000	1,441,000	1,814,000
Great Britain	324,000	289,000	278,000	256,000	285,000
Continent	786,000	748,000	758,000	931,000	1,101,000
Elsewhere	1,679,000	1,474,000	1,154,000	1,096,000	1,090,000
Total	4,458,000	4,500,000	3,822,000	3,724,000	4,290,000
Grand Total	19,476,000	16,972,000	15,622,000	18,857,000	21,062,000

¹ Includes stocks in interior of India and Egypt, and estimated unpicked or unmarketed portions of crops of India, Russia, Brazil, China, and minor cotton-producing countries.

² Includes cotton afloat to and in warehouses in the Orient.

Carry-over Stocks of All Cottons in the World

Source: Garside Cotton Service

[American cotton in running bales; foreign cottons in equivalent bales of 478 pounds net weight; American linters not included]

	CARRY-OVER OF ALL COTTONS				
	July 31, 1922	July 31, 1923	July 31, 1924	July 31, 1925	July 31, 1926
In public storage, etc.:					
Farms, etc., in United States	616,000	280,000	160,000	230,000	510,000
Public storage in United States . .	1,488,000	940,000	673,000	506,000	1,929,000
Alexandria	330,000	204,000	76,000	82,000	309,000
Bombay	492,000	258,000	323,000	338,000	282,000
Afloat to Europe . .	393,000	265,000	303,000	304,000	369,000
Ports, etc., in Europe	1,308,000	676,000	750,000	974,000	1,225,000
Elsewhere ¹	824,000	644,000	399,000	625,000	788,000
Total	5,451,000	3,267,000	2,684,000	3,059,000	5,412,000
In mills:					
United States	1,218,000	1,091,000	719,000	869,000	1,096,000
Great Britain	335,000	258,000	214,000	264,000	250,000
Continent	973,000	691,000	817,000	1,134,000	997,000
Elsewhere	1,846,000	1,415,000	1,357,000	1,418,000	1,537,000
Total	4,372,000	3,455,000	3,107,000	3,685,000	3,880,000
Grand total . . .	9,823,000	6,722,000	5,791,000	6,744,000	9,292,000

¹ Includes cotton afloat to the Orient, in warehouses and in transit in the Orient and in transit in Europe.

Quantity of the Several Kinds of Raw Cotton consumed and of Stocks held in Consuming Establishments, 1923 to 1926

United States Bureau of the Census

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included]

KIND AND LOCALITY	RAW COTTON CONSUMED DURING YEAR (BALES)				STOCKS HELD IN CONSUMING ESTABLISHMENTS JULY 31 (BALES)			
	1926	1925	1924	1923	1926	1925	1924	1923
United States . . .	6,455,852	6,193,417	5,680,554	6,666,092	1,096,647	865,842	721,589	1,099,556
Domestic:								
Upland	6,161,710	5,894,497	5,312,033	6,250,792	1,002,523	781,080	626,597	967,672
Sea-island	2,325	3,970	4,906	6,267	1,462	2,702	2,465	2,947
American-Egyptian .	11,740	19,018	35,998	65,235	6,387	2,849	8,988	10,524
Foreign:								
Egyptian	204,113	191,544	223,649	262,331	64,203	50,529	51,655	89,491
Peruvian	19,841	19,561	29,474	22,818	2,961	2,587	3,609	6,332
Chinese	31,378	40,185	51,472	34,529	10,434	16,258	16,250	15,023
British Indian . . .	23,736	24,573	21,848	16,357	8,088	9,832	12,001	6,892
Other	1,009	69	1,174	7,763	589	5	24	675
Cotton-growing States .	4,500,243	4,220,010	3,858,317	4,247,748	624,345	428,647	340,157	532,498
Domestic:								
Upland	4,470,274	4,186,092	3,807,305	4,194,730	617,273	424,027	329,236	513,452
Sea-island	134	92	100	433	70	28	15	62
American-Egyptian .	1,406	5,477	10,682	14,928	597	207	2,694	3,019
Foreign:								
Egyptian	16,584	19,472	27,968	29,812	3,667	1,582	4,649	12,671
Peruvian	1,701	—	—	341	409	—	—	—
Chinese	6,741	6,437	6,675	4,976	1,349	2,132	930	1,735
British Indian . . .	3,227	2,390	5,332	2,432	931	671	2,633	1,547
Other	176	50	255	96	49	—	—	12
All other States . . .	1,955,609	1,973,407	1,822,237	2,418,344	472,302	437,195	381,432	567,058
Domestic:								
Upland	1,691,436	1,708,405	1,504,728	2,056,062	385,250	357,053	297,361	454,220
Sea-island	2,191	3,878	4,806	5,834	1,392	2,674	2,450	2,885
American-Egyptian .	10,334	13,541	25,316	50,307	5,790	2,642	6,294	7,505
Foreign:								
Egyptian	187,529	172,072	195,681	232,519	60,536	48,947	47,006	76,820
Peruvian	18,140	19,561	29,474	22,477	2,552	2,587	3,609	6,332
Chinese	24,637	33,748	44,797	29,553	9,085	14,126	15,320	13,288
British Indian . . .	20,509	22,183	16,516	13,925	7,157	9,161	9,368	5,345
Other	833	19	919	7,667	540	5	24	663

World Supply and Consumption of American Cotton

The tables below, compiled by Henry G. Hester, Secretary of the New Orleans Cotton Exchange, show the world supply and consumption of American cotton, inclusive of linters, season by season since 1914-15. In considering these statistics it should be borne in mind that they relate only to American cotton. They do not include Egyptian, Indian or other foreign growths. The figures of supply at the beginning of each season include mill stocks in the United States and Europe, stocks at counted and uncounted interior towns and on plantations in this country, and stocks at ports in this country and Europe. The statistics on consumption include consumption in this country and abroad. These statistics are in running bales.

Supply and Consumption, including Linters

COTTON SEASON, Aug. 1 to July 31	Supply at Beginning of Season	Crop	Total Supply for Season	Consumption
1914-15	4,564,000	17,004,000	21,568,000	13,834,000
1915-16	7,701,000	12,175,000	19,876,000	14,812,000
1916-17	5,105,000	12,966,000	18,071,000	13,892,000
1917-18	4,305,000	12,424,000	16,729,000	12,282,000
1918-19	4,422,000	13,070,000	17,492,000	10,535,000
1919-20	6,909,000	12,000,000	18,909,000	12,670,000
1920-21	6,216,000	13,750,000	19,966,000	10,330,000
1921-22	9,364,000	8,442,000	17,806,000	12,829,000
1922-23	4,879,000	10,424,000	15,303,000	12,631,000
1923-24	2,573,000	10,985,000	13,558,000	11,241,000
1924-25	2,319,000	14,808,000	17,127,000	14,136,000
1925-26	2,991,000	17,541,000	2,053,200	15,170,000
1926-27	5,362,000	—	—	—

Stocks of American Cotton at United States Ports July 31

Source: New Orleans Cotton Exchange

	1922	1923	1924	1925	1926
Galveston	64,735	18,671	41,954	51,572	149,926
New Orleans	76,166	47,595	50,702	49,275	152,265
Mobile	2,901	850	557	1,303	3,389
Savannah	45,987	12,040	8,390	7,572	27,073
Charleston	53,171	23,870	11,933	7,319	12,698
Wilmington	12,374	5,180	1,828	7,082	7,095
Brunswick	1,000	4	1	—	—
Norfolk	34,000	21,000	16,000	20,000	40,000
Baltimore	1,092	500	500	500	500
New York	145,833	42,729	80,759	61,613	56,883
Philadelphia	4,258	3,893	3,363	3,455	4,224
Boston	6,209	4,566	4,569	1,431	4,252
Pacific ports	71	—	1,046	378	—
Pensacola	—	—	116	157	508
Jacksonville	1,433	2,614	1,679	8	371
Texas City	1,001	4	—	1	3,141
Total	450,231	183,516	223,397	211,666	462,325

Activity and Normal Operation of American Cotton Industry

Source: United States Bureau of the Census

MONTH	NORMAL DAYS OF OPERATION				PERCENTAGE OF ACTIVITY ON A SINGLE-SHIFT BASIS			
	1925-26	1924-25	1923-24	1922-23	1925-26	1924-25	1923-24	1922-23
August . . .	26	26	27	27	80.1	63.0	85.4	91.9
September . . .	25½	25½	24½	25½	83.8	76.4	93.6	94.2
October . . .	26¾	26¾	26¾	25¾	89.5	86.2	95.8	99.2
November . . .	24½	24½	25¼	25¼	96.0	87.8	96.7	106.5
December . . .	25	26	25	25	99.4	90.7	87.0	101.4*
January . . .	25½	26½	26½	26½	98.6	97.2	95.5	107.6
February . . .	23¾	23¾	24¾	23¾	103.2	100.5	87.3	109.6
March . . .	27	26	26	27	102.2	100.0	82.4	108.3
April . . .	25¾	25¾	25¾	24¾	98.2	100.2	80.0	109.2
May . . .	25½	25½	26½	26½	88.9	93.8	67.5	107.6
June . . .	26	26	25	26	88.4	89.2	64.6	98.8
July . . .	26	26	26	25	78.7	84.6	60.3	87.4

Consumption and Stocks of Cotton by Kinds

[Quantities are given in running bales, except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. Linters are not included]

Source: United States Bureau of the Census

KIND AND LOCALITY	RAW COTTON CONSUMED DURING YEAR (BALES)				STOCKS HELD IN CONSUMING ESTABLISHMENTS JULY 31 (BALES)			
	1926	1925	1924	1923	1926	1925	1924	1923
United States . . .	6,455,852	6,193,417	5,680,554	6,666,092	1,096,647	865,842	721,589	1,099,556
Domestic:								
Upland . . .	6,161,710	5,894,497	5,312,033	6,250,792	1,002,523	781,080	626,597	967,672
Sea-island . . .	2,325	3,970	4,906	6,267	1,462	2,702	2,465	2,947
American-Egyptian . . .	11,740	19,018	35,998	65,235	6,387	2,849	8,988	10,524
Foreign:								
Egyptian . . .	204,113	191,544	223,649	262,331	64,203	50,529	51,655	89,491
Peruvian . . .	19,841	19,561	29,474	22,818	2,961	2,587	3,609	6,332
Chinese . . .	31,378	40,185	51,472	34,529	10,434	16,258	16,250	15,023
Br. Indian . . .	23,736	24,573	21,848	16,357	8,088	9,832	12,001	6,892
Other . . .	1,009	69	1,174	7,763	589	5	24	675

World's Visible Supply of Cotton during Past Five Seasons

[In thousands of running bales. Linters included]

Source: New York Cotton Exchange Statistics

WEEK ENDING —		1921-22		1922-23		1923-24		1924-25		1925-26	
		All Kinds	American	All Kinds	American	All Kinds	American	All Kinds	American	All Kinds	American
August	7	6,192	4,024	3,692	1,865	2,039	850	2,148	939	2,222	1,052
	14	6,071	3,930	3,509	1,762	1,939	799	2,072	910	2,137	992
	21	5,935	3,830	3,363	1,671	1,917	792	1,931	818	2,153	1,005
	28	5,817	3,753	3,373	1,643	1,940	829	1,875	792	2,240	1,137
September	4	5,701	3,659	3,210	1,629	1,978	924	1,881	835	2,434	1,371
	11	5,665	3,654	3,219	1,689	2,013	1,031	1,963	948	2,686	1,646
	18	5,626	3,657	3,266	1,770	2,134	1,189	2,108	1,134	3,017	1,977
	25	5,674	3,778	3,455	1,996	2,337	1,429	2,362	1,423	3,449	2,399
October	2	5,802	3,940	3,692	2,265	2,550	1,651	2,688	1,737	3,894	2,844
	9	6,005	4,129	3,944	2,566	2,774	1,913	2,932	2,023	4,209	3,218
	16	6,178	4,309	4,263	2,869	2,964	2,139	3,222	2,363	4,589	3,587
	23	6,240	4,383	4,531	3,135	3,222	2,392	3,609	2,744	4,910	3,893
	30	6,319	4,474	4,827	3,434	3,401	2,601	3,907	3,062	5,250	4,184
November	6	6,387	4,556	5,027	3,670	3,617	2,791	4,284	3,419	5,511	4,413
	13	6,406	4,609	5,087	3,811	3,924	2,926	4,582	3,736	5,729	4,615
	20	6,430	4,632	5,219	3,925	4,064	3,054	4,835	4,022	5,904	4,780
	27	6,445	4,658	5,253	3,973	4,199	3,161	5,082	4,232	6,117	4,974
December	4	6,450	4,638	5,474	4,009	4,353	3,293	5,312	4,463	6,393	5,179
	11	6,417	4,625	5,420	3,957	4,436	3,350	5,541	4,667	6,581	5,288
	18	6,316	4,608	5,368	3,907	4,522	3,398	5,681	4,741	6,750	5,411
	25	6,407	4,620	5,358	3,839	4,646	3,405	5,901	4,877	6,873	5,485
January	1	6,472	4,661	5,441	3,800	4,785	3,435	5,966	4,938	6,935	5,523
	8	6,428	4,587	5,328	3,680	4,853	3,396	6,084	5,022	7,017	5,468
	15	6,500	4,561	5,316	3,635	4,891	3,341	6,148	4,979	6,933	5,378
	22	6,512	4,466	5,296	3,513	4,871	3,281	6,115	4,927	6,862	5,332
	29	6,520	4,389	5,249	3,433	4,910	3,239	6,139	4,885	6,738	5,230
February	5	6,447	4,273	5,177	3,324	4,782	3,128	6,025	4,785	6,701	5,139
	12	6,405	4,210	4,984	3,181	4,674	3,057	5,908	4,654	6,650	5,084
	19	6,385	4,135	4,876	3,015	4,694	2,983	5,911	4,607	6,656	5,003
	26	6,256	4,080	4,761	2,890	4,696	2,887	5,836	4,478	6,584	4,909
March	5	6,111	3,954	4,734	2,763	4,690	2,790	5,872	4,391	6,493	4,776
	12	5,985	3,907	4,672	2,674	4,617	2,694	5,748	4,281	6,374	4,649
	19	5,918	3,793	4,614	2,579	4,408	2,551	5,731	4,155	6,244	4,523
	26	5,893	3,728	4,476	2,468	4,316	2,487	5,603	3,992	6,104	4,430
April	2	5,842	3,657	4,388	2,359	4,192	2,395	5,434	3,811	6,013	4,335
	9	5,798	3,613	4,158	2,201	4,059	2,281	5,182	3,592	5,898	4,217
	16	5,780	3,571	4,105	2,095	3,923	2,172	5,119	3,440	5,794	4,126
	23	5,703	3,518	4,035	1,978	3,717	2,079	4,982	3,302	5,621	4,003
	30	5,613	3,409	3,799	1,900	3,631	1,954	4,907	3,184	5,538	3,862
May	7	5,507	3,332	3,615	1,813	3,546	1,882	4,669	2,982	5,436	3,780
	14	5,406	3,262	3,401	1,720	3,432	1,776	4,545	2,825	5,384	3,713
	21	5,256	3,162	3,313	1,619	3,300	1,655	4,273	2,620	5,194	3,542
	28	5,181	3,095	3,187	1,538	3,158	1,572	4,169	2,441	5,064	3,448
June	4	5,127	3,006	3,076	1,447	3,054	1,505	4,003	2,304	4,890	3,307
	11	5,033	2,939	2,923	1,347	2,929	1,418	3,851	2,171	4,754	3,180
	18	4,834	2,792	2,824	1,286	2,913	1,405	3,651	2,024	4,654	3,076
	25	4,738	2,688	2,748	1,221	2,818	1,354	3,425	1,877	4,548	2,959
July	2	4,592	2,567	2,641	1,145	2,694	1,268	3,151	1,757	4,377	2,823
	9	4,458	2,441	2,502	1,090	2,579	1,200	2,966	1,638	4,213	2,727
	16	4,284	2,318	2,341	1,023	2,444	1,113	2,783	1,489	4,058	2,594
	23	4,047	2,170	2,256	962	2,370	1,064	2,663	1,390	3,914	2,464
	30	3,855	2,007	2,192	898	2,270	998	2,514	1,283	3,703	2,300
	31	3,793	1,968	2,129	870	2,161	952	2,288	1,125	3,669	2,279

Calculated Total World's Cotton Mill Consumption for the Half son, on Basis of Spinners' Returns made

COUNTRIES		IN THOUSANDS OF ACTUAL BALES (REGARDLESS OF WEIGHT)							
		AMERICAN				EAST INDIAN			
		HALF YEAR ENDING				HALF YEAR ENDING			
		July 31, 1926	Jan. 31, 1926	July 31, 1925	July 31, 1924	July 31, 1926	Jan. 21, 1926	July 31, 1925	July 31, 1924
1	Europe:								
2	Great Britain	937	1,156	1,252	850	73	95	97	104
3	Germany	405	479	496	405	72	132	108	118
4	France	424	411	430	342	93	70	83	92
5	Russia	59	214	150	131	1	—	—	—
6	Italy	357	355	346	266	120	134	139	178
7	Czecho-Slovakia	158	195	189	147	38	61	64	68
8	Spain	144	158	132	94	41	32	39	74
9	Belgium	92	85	80	60	71	85	70	82
10	Switzerland	31	35	32	25	5	5	4	6
11	Poland	89	69	85	62	10	12	7	16
12	Austria	49	55	49	40	18	30	24	32
13	Holland	60	58	59	14	14	16	14	6
14	Sweden	44	44	37	40	1	1	1	2
15	Portugal	33	26	28	23	—	—	—	—
16	Finland	21	18	15	14	—	—	—	—
17	Denmark	9	11	8	9	—	1	—	1
18	Norway	3	3	4	2	—	—	—	1
18	Europe total	2,915	3,372	3,392	2,524	557	674	650	780
19	Asia:								
20	India	8	2	6	1	1,086	929	1,196	916
21	Japan	499	383	393	297	889	881	727	732
22	China	74	46	40	47	222	266	195	191
22	Asia total	581	431	439	345	2,197	2,076	2,118	1,839
23	America:								
24	U. S. A.	3,132	3,038	3,093	2,428	12	18	15	15
25	Canada	94	113	94	72	—	—	1	—
26	Mexico	4	—	—	2	—	—	—	—
27	Brazil	—	—	—	—	—	—	—	—
27	America total	3,230	3,151	3,187	2,502	12	18	16	15
28	Sundries	30	20	31	5	21	17	5	2
29	Half year totals	6,756	6,974	7,049	5,376	2,787	2,785	2,789	2,636

Year ending 31st July, 1926, with Previous Figures for Comparison to the International Cotton Federation

IN THOUSANDS OF ACTUAL BALES (REGARDLESS OF WEIGHT)												
EGYPTIAN				SUNDRIES				TOTAL				
HALF YEAR ENDING				HALF YEAR ENDING				HALF YEAR ENDING				
July 31, 1926	Jan. 31, 1926	July 31, 1925	July 31, 1924	July 31, 1926	Jan. 31, 1926	July 31, 1925	July 31, 1924	July 31, 1926	Jan. 31, 1926	July 31, 1925	July 31, 1924	
200	191	198	234	166	204	125	153	1,376	1,646	1,672	1,341	1
19	24	31	26	5	12	8	9	501	647	643	558	2
56	50	48	57	39	36	28	29	612	567	589	520	3
24	23	20	10	821 ¹	610	442	162	905	847	612	303	4
28	22	28	33	11	10	11	9	516	521	524	486	5
10	10	10	10	1	4	3	1	207	270	266	226	6
12	9	7	16	7	4	3	8	204	203	181	192	7
2	1	1	4	12	5	4	3	177	176	155	149	8
18	18	19	19	1	1	—	1	55	59	55	51	9
3	2	3	5	3	2	6	8	105	85	101	91	10
1	1	1	2	2	3	1	1	70	89	75	75	11
—	—	—	—	2	2	1	—	76	76	74	20	12
—	1	1	1	—	—	—	—	45	46	39	43	13
—	—	—	—	11	15	16	16	44	41	44	40	14
—	—	—	—	—	—	—	—	21	18	15	14	15
—	—	—	—	—	—	—	—	9	12	8	10	16
—	—	—	—	—	—	—	—	3	3	4	3	17
373	352	367	418	1,081	908	648	400	4,926	5,306	5,057	4,122	18
5	1	4	1	23	10	27	7	1,122	942	1,233	925	19
19	16	19	21	65	64	139	113	1,472	1,344	1,278	1,163	20
—	1	—	—	549	597	609	620	845	910	844	858	21
24	18	23	22	637	671	775	740	3,439	3,196	3,355	2,946	22
71	66	71	72	29	29	30	28	3,244	3,151	3,209	2,543	23
3	1	—	—	—	—	—	—	97	114	95	72	24
—	—	1	1	103	115	86	73	107	115	87	76	25
—	—	1	—	420	362	251	185	420	362	252	185	26
74	67	73	73	552	506	367	286	3,868	3,742	3,643	2,876	27
6	7	7	7	53	50	28	31	110	94	71	45	28
477	444	470	520	2,323	2,135	1,818	1,457	12,343	12,338	12,126	9,989	29

¹ Made up as follows: Asiatic Russian, 717,057; Persian, 102,917; and Chinese, 593 bales.

Calculated Total World's Cotton Mill Stocks on 1st August, 1926, with to the International

[Figures in Italics are

	COUNTRIES	IN THOUSANDS OF ACTUAL BALES (REGARDLESS OF WEIGHT)							
		AMERICAN				EAST INDIAN			
		HALF YEAR ENDING				HALF YEAR ENDING			
		July 31, 1926	Jan. 31, 1926	July 31, 1925	July 31, 1924	July 31, 1926	Jan. 31, 1926	July 31, 1925	July 31, 1924
	Europe:								
1	Great Britain	120	135	131	83	32	18	31	28
2	Germany	100	142	124	65	26	30	51	46
3	France	124	134	130	85	49	33	53	52
4	Russia	19	75	82	56	—	—	—	—
5	Italy	124	131	140	91	61	44	91	86
6	Czecho-Slovakia	41	59	44	28	13	15	27	27
7	Spain	18	30	18	8	7	4	7	8
8	Belgium	31	27	29	16	34	26	39	32
9	Switzerland	13	26	17	11	4	2	4	6
10	Poland	8	6	11	7	2	2	4	6
11	Austria	13	16	13	9	7	7	11	12
12	Holland	19	26	20	12	7	5	10	8
13	Sweden	19	19	16	16	—	—	—	2
14	Portugal	4	5	4	6	—	—	—	—
15	Finland	6	4	3	4	—	—	—	—
16	Denmark	3	3	3	2	—	—	1	—
17	Norway	1	2	2	1	—	—	—	—
18	Europe total	663	840	787	500	242	186	329	313
	Asia:								
19	India	8	—	—	1	607	437	578	731
20	Japan	207	165	192	158	555	208	551	486
21	China	35	31	27	14	167	68	127	44
22	Asia total	250	196	219	173	1,329	713	1,256	1,261
	America:								
23	U. S. A.	1,010	1,741	787	636	10	8	12	15
24	Canada	36	74	31	14	—	—	—	—
25	Mexico	2	—	—	—	—	—	—	—
26	Brazil	—	—	—	—	—	—	—	—
27	America total	1,048	1,815	818	650	10	8	12	15
28	Sundries	8	11	9	1	8	8	2	1
29	Grand totals	1,969	2,862	1,833	1,324	1,589	915	1,599	1,590

Previous Figures for Comparison on Basis of Spinners' Returns made
Cotton Federation

[previous half year's figures.]

IN THOUSANDS OF ACTUAL BALES (REGARDLESS OF WEIGHT)											
EGYPTIAN				SUNDRIES				TOTAL			
HALF YEAR ENDING				HALF YEAR ENDING				HALF YEAR ENDING			
July 31, 1926	Jan. 31, 1926	July 31, 1925	July 31, 1924	July 31, 1926	Jan. 31, 1926	July 31, 1925	July 31, 1924	July 31, 1926	Jan. 31, 1926	July 31, 1925	July 31, 1924
45	66	52	60	45	48	38	34	242	267	252	205
7	9	11	7	2	4	6	6	135	185	192	124
26	23	25	22	24	18	19	9	223	208	227	168
8	8	11	8	257 ¹	212	244	96	284	295	337	160
15	12	12	13	4	6	6	5	204	193	249	195
4	3	3	2	1	2	2	1	59	79	76	58
4	5	3	4	1	1	1	1	30	40	29	21
1	3	1	1	2	2	3	2	68	58	72	51
11	14	7	7	—	—	1	1	28	42	29	25
2	2	2	2	—	1	1	3	12	11	18	18
1	1	1	1	—	1	1	—	21	25	26	22
—	—	—	—	1	1	—	—	27	32	30	20
—	—	—	—	—	—	—	—	19	19	16	18
—	—	—	—	—	—	—	—	8	8	10	12
—	—	—	—	4	3	6	6	6	4	3	4
—	—	—	—	—	—	—	—	3	3	4	2
—	—	—	—	—	—	—	—	1	2	2	1
124	146	128	127	341	299	328	164	1,370	1,471	1,572	1,104
3	1	—	1	12	6	5	4	630	444	583	737
27	20	16	21	30	23	24	40	819	416	783	705
—	—	—	—	170	166	132	124	372	265	286	182
30	21	16	22	212	195	161	168	1,821	1,125	1,652	1,624
43	30	34	34	15	20	20	21	1,078	1,799	853	706
2	1	—	—	—	—	—	—	38	75	31	14
—	—	—	—	25	52	40	7	27	52	40	7
—	—	—	—	116	93	97	99	116	93	97	99
45	31	34	34	156	165	157	127	1,259	2,019	1,021	826
2	3	3	5	30	12	8	8	48	33	22	15
201	200	181	188	739	671	654	467	4,498	4,648	4,267	3,569

¹ Made up as follows: Asiatic Russian, 224,439; Persian, 32,213; and Chinese, 186 bales.

Consumption of Cotton, per Thousand Spindles, by Countries

[In running bales.]

Source: International Federation of Master Cotton Spinners' and Manufacturers' Associations
Statistics

COUNTRIES	1921	1922	1923	1924	1925	1926
World	116.1	137.3	141.2	128.0	144.3	151.0
Great Britain	35.9	50.6	48.9	47.8	56.6	53.2
France	78.9	110.8	126.0	113.5	119.0	124.3
Germany	114.1	126.2	111.9	81.9	127.4	100.8
Italy	176.5	175.6	195.9	206.1	210.0	216.4
Czechoslovakia	72.6	104.0	71.2	120.5	139.4	134.5
Spain	165.0	200.5	194.0	201.8	194.1	166.3
Belgium	133.5	151.2	161.9	170.0	170.5	191.7
Switzerland	53.9	57.5	48.7	66.6	71.1	74.5
Poland	114.5	184.9	189.6	162.5	178.3	147.0
Holland	170.4	175.5	165.5	81.6	166.4	147.8
Sweden	110.6	133.4	148.0	151.4	149.6	161.0
Portugal	251.7	156.0	177.1	180.9	149.1	168.9
Finland	120.7	142.2	133.6	119.5	110.6	154.1
Denmark	116.9	188.2	296.0	262.5	236.7	223.4
Norway	115.1	111.9	112.6	90.9	172.6	109.0
India	331.7	336.7	307.0	260.4	287.0	242.5
Japan	537.1	519.2	535.0	484.3	464.6	511.2
U. S. America	133.9	159.8	177.4	148.5	161.6	176.5
Canada	136.5	149.6	163.9	130.2	122.0	180.4
Mexico	168.1	179.8	177.4	185.7	237.1	268.1
Brazil	378.9	300.7	328.6	222.9	273.3	322.6

United States Consumption of Cotton and Linters

[American cotton and linters in running bales. Foreign cotton in equivalent 500-pound bales]

Source: United States Bureau of the Census

Period	Total Cotton (including Linters)	Total Cotton (excluding Linters)	American Cotton (excluding Linters)	Linters	Foreign Cotton	Egyptian	Sea Island	American Egyptian
July, 1926	522,158	460,918	441,390	61,240	19,528	14,591	97	995
June, 1926	559,146	494,083	472,389	65,063	21,694	15,092	138	1,418
May, 1926	576,512	516,758	494,105	59,754	22,653	17,043	113	1,520
April, 1926	637,751	575,799	551,869	61,952	23,920	18,197	103	1,289
March, 1926	695,125	634,393	605,260	60,532	29,333	21,770	116	1,003
February, 1926	621,222	567,244	542,451	53,978	24,793	19,205	198	941
January, 1926	639,657	583,192	558,070	56,465	25,122	18,343	307	880
December, 1925	630,972	575,271	553,389	55,701	21,882	16,022	261	836
November, 1925	609,064	543,098	524,659	65,966	18,439	12,539	243	818
October, 1925	619,429	543,679	518,596	75,750	25,883	17,520	288	681
September, 1925	553,274	483,266	457,378	70,008	25,888	17,939	185	693
August, 1925	512,248	448,665	426,301	63,583	22,364	16,167	265	764
Season ending—								
July 31, 1926	7,200,979	6,450,987	6,175,775	749,992	280,077	204,448	2,311	11,841
June 31, 1925	6,852,265	6,193,417	5,917,485	658,848	274,390	190,833	—	11,740
July 31, 1924	6,217,292	5,680,554	5,352,937	536,738	310,774	217,913	4,907	35,648
July 31, 1923	7,312,201	6,666,092	6,322,294	646,109	343,798	262,331	6,267	65,235
July 31, 1922	6,548,853	5,909,820	5,612,993	639,033	296,827	226,330	8,967	49,359
July 31, 1921	5,408,979	4,892,672	4,676,891	516,307	215,781	159,196	18,667	16,771
July 31, 1920	6,762,207	6,419,734	6,002,993	342,473	416,741	323,124	42,971	45,867
July 31, 1919	6,223,837	5,765,936	5,589,820	457,901	176,116	126,087	51,183	—
July 31, 1918	7,685,329	6,566,489	6,382,695	1,118,840	183,794	136,401	85,939	—
July 31, 1917	7,658,207	6,788,505	6,470,244	869,702	318,261	239,160	94,291	—
July 31, 1916	7,278,529	6,397,613	6,080,618	880,916	316,995	269,324	82,615	—
July 31, 1915	6,009,207	5,537,362	5,375,305	411,845	222,057	181,211	79,391	—
August 31, 1914	5,884,733	5,577,408	5,383,099	307,325	194,309	151,091	81,673	—
August 31, 1913	5,786,330	5,483,321	5,250,392	303,009	232,929	201,269	54,778	—
August 31, 1912	5,367,583	5,129,346	4,921,683	238,237	207,663	180,465	94,856	—

United States Cotton Consumption, by States ¹

[In running bales, exclusive of linters]

Source: United States Bureau of the Census

	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26
New England States:						
Maine . . .	153,165	162,142	182,184	148,836	146,379	136,318
New Hampshire	220,241	175,983	235,377	191,816	205,326	224,981
Vermont . .	10,103	12,470	12,087	9,550	10,129	7,952
Massachusetts .	922,482	1,140,459	1,231,300	869,695	950,942	945,790
Rhode Island .	212,199	215,996	264,132	217,971	230,035	220,332
Connecticut .	95,407	115,631	124,500	96,909	95,963	92,624
Total New England States . . .	1,613,597	1,822,681	2,049,580	1,534,777	1,636,774	1,627,997
Other non-cotton-growing States:						
New York . .	130,793	197,930	201,270	144,017	164,610	163,905
New Jersey .	31,364	38,365	41,866	39,088	62,132	47,826
Pennsylvania .	24,429	29,747	30,876	30,892	30,687	30,054
Maryland . .	41,317	41,158	44,799	31,833	37,150	42,998
Indiana . . .	14,212	15,936	15,683	15,711	15,157	17,419
Illinois . . .	10,754	12,418	12,451	13,165	11,783	11,326
Others . . .	28,735	21,808	21,619	12,754	10,762	14,084
Total other non-cotton-growing States	281,604	357,362	368,764	287,460	332,281	327,612
Cotton-growing States:						
Virginia . . .	105,352	116,530	121,272	105,775	110,883	121,243
North Carolina .	926,384	1,198,163	1,326,174	1,199,859	1,334,794	1,394,124
South Carolina .	771,560	918,725	1,035,557	947,964	1,029,797	1,078,146
Georgia . . .	614,079	781,870	974,662	864,328	966,324	1,012,980
Alabama . . .	309,646	377,548	414,880	392,705	430,051	494,283
Mississippi . .	31,208	40,463	46,117	34,751	32,201	33,402
Tennessee . .	74,689	107,731	123,052	120,053	115,202	130,619
Kentucky . . .	21,303	22,353	23,915	22,362	21,284	23,088
Louisiana . .	39,327	40,704	45,135	35,097	33,566	34,633
Texas	62,617	76,606	83,221	79,627	93,494	118,071
Others	41,306	49,084	53,763	55,796	56,766	59,654
Total cotton-growing States . .	2,997,471	3,729,777	4,247,748	3,858,317	4,224,362	4,500,243
Total United States	4,892,672	5,909,820	6,666,092	5,680,554	6,193,417	6,455,852

¹ Statistics here given are for years ending July 31.

United States Cotton Production, Consumption, and Active Cotton Spindles

[Running bales, except those for production in 1850, 1860, and 1870, which are in equivalent 400-pound bales, and those for consumption from 1840 to 1870, and for foreign cotton, which are in equivalent 500-pound bales. Linters are included]

Source: United States Bureau of the Census

YEAR	Cotton produced (Bales) ¹	COTTON CONSUMED (BALES)				ACTIVE COTTON SPINDLES			
		United States	Cotton-growing States	New England States	All Other States	United States	Cotton-growing States	New England States	All Other States
1926	17,167,011	7,259,618	4,795,534	1,671,755	792,329	34,750,266	17,574,450	15,525,672	1,650,144
1925	14,497,361	6,852,265	4,459,956	1,675,204	717,105	33,032,246	17,292,042	15,975,442	1,764,762
1924	10,810,234	6,217,292	4,050,844	1,566,784	599,664	35,849,338	16,944,178	17,066,036	1,839,124
1923	10,319,843	7,312,201	4,489,150	1,866,495	956,556	36,260,001	16,310,360	18,053,716	1,895,925
1922	8,360,153	6,548,853	3,977,847	1,853,153	717,853	35,707,738	15,906,165	17,938,805	1,862,768
1921	13,699,975	5,408,979	3,151,954	1,644,834	612,191	36,047,367	15,708,988	18,387,789	1,950,590
1920	11,920,625	6,762,207	3,714,403	2,418,828	628,976	35,480,953	15,230,583	18,287,424	1,962,546
1919	12,816,716	6,223,837	3,491,008	2,231,574	501,255	34,930,934	14,846,239	18,065,857	2,018,838
1918	12,344,664	7,685,329	4,414,052	2,612,934	628,343	34,542,665	14,529,063	17,984,720	2,028,882
1917	12,664,078	7,658,207	4,335,007	2,654,138	669,062	33,888,835	14,155,758	17,760,968	1,972,109
1916	12,012,813	7,278,529	3,977,130	2,627,150	674,249	32,805,883	13,382,065	17,474,264	1,949,554
1915	16,733,241	6,009,207	3,193,353	2,197,220	618,634	31,964,235	12,955,712	17,100,615	1,907,908
1914	14,613,964	5,884,733	3,023,415	2,251,041	610,277	32,107,572	12,711,333	17,408,372	1,987,897
1913	14,090,863	5,786,330	2,960,518	2,210,813	614,999	31,519,766	12,227,226	17,311,451	1,981,089
1912	16,109,349	5,367,583	2,712,223	2,108,360	547,000	30,578,528	11,582,869	17,139,945	1,855,714
1911	11,965,962	4,704,978	2,328,487	1,911,092	465,399	29,522,597	11,084,623	16,510,981	1,926,993
1910	10,386,209	4,798,953	2,292,333	2,016,886	490,234	28,266,862	10,494,112	15,735,086	2,037,664
1909	13,432,131	5,240,719	2,553,797	2,144,448	542,474	28,018,305	10,220,580	15,591,851	1,997,254
1908	11,325,882	4,539,090	2,187,096	1,894,835	457,159	27,505,422	10,200,903	15,329,333	1,975,186
1907	13,305,265	4,984,936	2,410,993	2,073,355	500,588	26,375,191	9,527,964	14,912,517	1,934,710
1906	10,725,602	4,909,279	2,373,577	2,059,900	475,802	25,250,096	8,994,868	14,407,580	1,847,648
1905	13,697,310	4,278,980 ²	2,140,151 ²	1,753,282 ²	385,547 ²	23,687,495	7,631,331	14,202,971	1,833,193
1900	9,507,786	3,873,165	1,523,168	1,909,498	440,499	19,472,232	4,367,688	13,171,377	1,633,167
1890	7,472,511	2,518,409	538,895	1,502,177	477,337	14,384,180	1,570,288	10,934,297	1,879,595
1880	5,755,359	1,570,344 ³	188,748 ³	1,129,498 ³	252,098 ³	10,653,435 ³	561,360 ³	8,632,087 ³	1,459,988 ³
1870	3,011,996	796,616	68,702	551,250	176,664	7,132,415	327,871	5,498,308	1,306,236
1860	5,387,052	845,410	93,553	567,403	184,454	5,235,727	324,052	3,858,962	1,052,713
1850	2,469,093	575,506	78,140	430,603	66,763	3,998,022	264,571	2,958,536	774,915
1840	2,063,915	236,525	71,000	158,708	6,817	2,284,631	180,927	1,597,394	506,310

¹ Relates to crop of preceding year.

² Does not include foreign cotton.

³ Cotton mills only.

Exports of Cotton from Alexandria, Egypt

[In cantars of 99.049 pounds each]

Source: Alexandria General Produce Association

WEEK		1923-24		1924-25		1925-26	
		Week	Since Sept. 1	Week	Since Sept. 1	Week	Since Sept. 1
September	3	51,895	35,277	83,477	19,402	57,210	10,357
	10	64,165	99,442	43,769	63,171	42,081	52,438
	17	72,758	172,200	73,055	136,226	47,552	99,990
	24	86,338	258,538	124,834	261,060	89,452	189,442
October	1	151,956	410,494	176,237	437,297	61,199	250,641
	8	144,080	554,574	98,703	536,000	111,042	361,683
	15	141,166	695,740	172,515	708,515	209,651	571,334
	22	166,872	862,612	168,890	877,405	150,341	721,675
November	29	205,563	1,068,175	212,525	1,089,930	267,950	989,625
	5	191,781	1,259,956	351,236	1,441,166	189,286	1,178,911
	12	323,468	1,583,424	258,117	1,699,283	312,432	1,491,343
	19	251,572	1,834,996	273,114	1,972,397	233,814	1,725,157
December	26	407,557	2,242,553	250,343	2,222,740	209,575	1,934,732
	3	463,759	2,706,312	371,226	2,593,966	246,540	2,181,272
	10	251,309	2,957,621	303,786	2,897,752	243,472	2,424,744
	17	210,289	3,167,910	283,692	3,181,444	202,392	2,627,136
January	24	251,560	3,419,470	239,206	3,420,650	247,905	2,875,041
	31	95,990	3,515,460	299,585	3,720,235	158,820	3,033,861
	6	209,608	3,725,068	259,454	3,979,689	95,869	3,129,730
	13	258,276	3,983,344	98,387	4,078,076	88,954	3,218,684
February	21	206,750	4,190,094	169,627	4,247,703	320,208	3,538,892
	28	180,737	4,370,831	231,569	4,479,272	181,360	3,720,252
	4	134,924	4,505,755	204,385	4,683,657	192,787	3,913,039
	11	139,545	4,645,300	132,757	4,816,414	249,678	4,162,717
March	18	147,163	4,792,463	173,569	4,989,983	173,286	4,336,003
	25	159,752	4,952,215	184,006	5,173,989	136,508	4,472,511
	4	82,011	5,034,226	198,411	5,372,400	135,522	4,608,033
	11	195,497	5,229,723	120,606	5,493,006	136,115	4,744,148
April	18	59,273	5,288,996	120,122	5,595,128	110,306	4,854,454
	25	37,547	5,326,543	90,773	5,685,901	151,616	5,006,070
	1	130,386	5,456,929	200,296	5,886,197	177,043	5,183,113
	8	100,921	5,557,850	43,111	5,929,308	42,635	5,225,748
May	15	91,472	5,649,322	52,237	5,981,545	74,199	5,299,947
	22	101,642	5,750,964	63,306	6,044,851	93,413	5,393,360
	29	70,719	5,821,683	73,192	6,118,042	137,570	5,530,930
	6	70,902	5,892,585	102,105	6,220,147	107,242	5,638,172
June	13	162,375	6,054,960	105,409	6,325,556	148,502	5,786,674
	20	102,262	6,157,222	39,964	6,365,520	134,743	5,921,417
	27	84,455	6,241,677	70,105	6,435,625	72,793	5,994,210
	3	58,791	6,300,468	34,649	6,470,274	93,282	6,087,492
July	10	98,279	6,398,747	69,741	6,540,015	96,796	6,184,288
	17	76,974	6,475,721	67,176	6,607,191	107,093	6,291,381
	24	65,876	6,541,597	42,233	6,649,424	39,695	6,331,076
	1	55,906	6,597,503	76,204	6,725,628	112,973	6,444,049
August	8	65,570	6,663,073	26,417	6,752,045	105,298	6,549,347
	15	21,796	6,684,869	49,477	6,801,522	61,546	6,610,893
	22	82,621	6,767,490	31,943	6,833,465	78,987	6,689,880
	29	34,330	6,801,820	56,440	6,889,905	70,035	6,759,915
	5	45,410	6,847,230	45,768	6,935,673	134,549	6,894,464
	12	40,042	6,887,272	36,960	6,972,633	39,910	6,934,374
	19	31,065	6,918,337	41,420	7,014,053	62,844	6,997,218
	26	37,977	6,956,314	22,308	7,036,361	81,067	7,078,285

Receipts of Cotton at Alexandria, Egypt

[In cantars of 99.049 pounds each]

Source: Alexandria General Produce Association

WEEK			1923-24		1924-25		1925-26	
			Week	Since Sept. 1	Week	Since Sept. 1	Week	Since Sept. 1
September	3	.	50,552	50,552	69,462	40,661	66,551	34,010
	10	.	61,630	112,182	129,210	169,871	91,856	125,866
	17	.	95,596	207,778	174,915	344,786	142,513	268,379
	24	.	196,006	403,784	284,458	629,244	188,077	456,456
October	1	.	226,326	630,110	301,813	931,057	297,518	753,974
	8	.	292,585	922,695	235,717	1,166,774	356,660	1,110,634
	15	.	328,208	1,250,903	363,642	1,530,416	341,759	1,452,393
	22	.	335,292	1,586,195	303,779	1,834,195	353,162	1,805,555
	29	.	381,661	1,967,856	448,536	2,282,731	366,800	2,172,355
November	5	.	330,786	2,298,642	399,991	2,682,722	339,176	2,511,531
	12	.	439,141	2,737,783	366,715	3,049,437	338,072	2,849,603
	19	.	471,608	3,209,391	428,384	3,477,821	301,875	3,151,478
	26	.	419,846	3,629,237	386,398	3,864,219	198,116	3,349,594
December	3	.	317,478	3,946,715	383,041	4,247,260	320,088	3,669,682
	10	.	308,320	4,255,035	350,926	4,598,186	323,192	3,992,874
	17	.	288,173	4,543,208	356,701	4,954,887	322,818	4,315,692
	24	.	220,854	4,764,062	257,579	5,212,466	292,115	4,607,807
	31	.	199,028	4,963,090	211,828	5,424,294	284,462	4,892,269
January	6	.	145,276	5,108,866	215,125	5,639,419	210,423	5,102,692
	13	.	74,456	5,182,822	152,361	5,791,780	153,665	5,256,357
	21	.	119,578	5,302,400	168,658	5,960,438	154,166	5,410,523
	28	.	106,070	5,408,470	150,504	6,110,942	184,100	5,594,623
February	4	.	106,118	5,514,588	109,961	6,220,633	184,876	5,779,499
	11	.	110,250	5,624,838	84,922	6,305,555	218,353	5,997,852
	18	.	130,810	5,755,648	121,721	6,427,276	200,725	6,198,577
	25	.	83,221	5,838,869	100,744	6,528,020	197,196	6,395,773
March	4	.	70,500	5,909,369	75,729	6,603,749	156,572	6,552,345
	11	.	42,852	5,952,221	73,067	6,676,816	117,758	6,670,103
	18	.	44,779	5,997,000	63,779	6,740,595	76,928	6,747,031
	25	.	32,648	6,029,648	53,750	6,794,345	86,953	6,833,984
April	1	.	27,108	6,056,756	74,196	6,868,511	93,349	6,927,333
	8	.	40,141	6,096,897	36,292	6,904,833	66,445	6,993,778
	15	.	46,052	6,142,949	22,934	6,927,767	49,581	7,043,359
	22	.	44,431	6,187,380	15,732	6,943,499	67,343	7,110,702
	29	.	42,991	6,230,371	5,774	6,949,273	98,882	7,209,584
May	6	.	28,652	6,259,023	9,406	6,958,678	95,229	7,304,813
	13	.	22,876	6,281,899	9,425	6,968,104	63,712	7,368,525
	20	.	27,354	6,309,253	8,532	6,976,636	72,122	7,440,647
	27	.	21,726	6,330,979	12,710	6,989,346	61,882	7,502,529
June	3	.	30,111	6,361,090	21,419	7,010,765	72,016	7,574,545
	10	.	9,229	6,370,319	20,626	7,031,391	67,181	7,641,726
	17	.	2,378	6,372,697	4,671	7,036,062	75,457	7,717,183
	24	.	112	6,372,809	541	7,036,603	62,489	7,779,672
July	1	.	2,220	6,375,029	1,069	7,037,672	28,902	7,808,574
	8	.	1,969	6,376,998	-	7,037,672	41,530	7,850,104
	15	.	661	6,377,659	1,140	7,058,812	25,353	7,875,457
	22	.	4,073	6,381,732	111	7,038,923	15,297	7,890,754
	29	.	1,180	6,382,912	1,855	7,040,778	18,326	7,909,080
August	5	.	445	6,383,357	338	7,041,116	10,938	7,920,018
	12	.	2,270	6,385,627	898	7,042,014	12,671	7,932,689
	19	.	10,039	6,395,666	6,285	7,048,299	12,363	7,945,052
	26	.	43,451	6,439,117	22,614	7,070,913	6,532	7,951,584

Stock of Cotton at Alexandria, Egypt

[In cantars of 99.049 pounds each]

Source: Alexandria General Produce Association

WEEK	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26
September 3	410,834	1,752,288	1,369,946	818,275	281,259	303,893
10	439,279	1,783,372	1,310,853	815,740	366,700	353,668
17	484,923	1,699,479	1,264,757	838,578	468,560	561,389
24	536,996	1,706,181	1,360,087	948,246	628,184	660,014
October 1	618,530	1,690,188	1,478,231	1,022,616	753,760	896,333
8	738,784	1,850,409	1,699,035	1,171,121	890,774	1,141,951
15	846,268	1,997,173	1,931,005	1,358,163	1,081,901	1,274,059
22	936,360	2,139,264	2,059,531	1,526,583	1,216,790	1,476,880
29	963,525	2,262,407	2,295,028	1,702,681	1,452,801	1,575,730
November 5	1,056,714	2,187,983	2,393,234	1,841,686	1,501,556	1,725,620
12	1,186,799	2,247,865	2,626,011	1,957,359	1,610,154	1,751,260
19	1,302,608	2,320,074	2,681,855	2,177,395	1,765,424	1,819,321
26	1,365,353	2,423,389	2,673,550	2,189,684	1,901,475	1,807,862
December 3	1,357,205	2,447,501	2,769,026	2,043,403	1,913,294	1,881,410
10	1,352,749	2,305,446	2,594,376	2,100,414	1,960,434	1,961,130
17	1,398,337	2,369,408	2,585,701	2,178,298	2,033,443	2,081,556
24	1,435,382	2,451,920	2,574,545	2,147,592	2,051,816	2,125,766
31	1,468,932	2,528,739	2,578,322	2,250,630	1,964,039	2,251,408
January 6	1,504,476	2,538,750	2,511,518	2,186,298	1,919,730	2,365,962
13	1,550,687	2,503,822	2,475,510	2,002,478	1,973,704	2,430,673
21	1,605,751	2,510,528	2,379,650	1,915,306	1,972,735	2,264,631
28	1,608,863	2,488,658	2,303,933	1,840,639	1,891,670	2,267,371
February 4	1,667,302	2,400,635	2,221,221	1,811,833	1,796,976	2,259,460
11	1,714,975	2,357,626	2,200,555	1,782,538	1,749,141	2,228,135
18	1,777,663	2,351,900	2,186,274	1,766,185	1,697,293	2,255,574
25	1,812,806	2,343,107	2,186,202	1,689,654	1,614,031	2,316,262
March 4	1,758,721	2,293,889	2,119,139	1,678,143	1,491,349	2,337,312
11	1,755,203	2,270,773	2,057,560	1,525,498	1,443,810	2,318,955
18	1,755,985	2,301,435	2,001,133	1,511,004	1,405,467	2,285,577
25	1,637,577	2,269,392	1,955,928	1,506,105	1,368,444	2,220,914
April 1	1,720,170	2,257,656	1,929,154	1,402,827	1,242,344	2,137,220
8	1,765,910	2,265,683	1,811,599	1,342,047	1,235,525	2,162,560
15	1,819,519	2,261,160	1,790,358	1,296,627	1,206,222	2,137,942
22	1,854,747	2,195,380	1,723,819	1,239,416	1,158,648	2,111,872
29	1,893,427	2,209,913	1,771,275	1,211,688	1,091,231	2,073,184
May 6	1,906,099	2,197,814	1,717,640	1,169,438	998,532	2,061,171
13	1,985,836	2,181,152	1,694,283	1,029,939	902,548	1,976,381
20	2,019,368	2,080,304	1,613,938	955,031	871,116	1,913,760
27	1,994,712	2,012,516	1,544,006	892,032	813,721	1,902,849
June 3	2,077,213	1,926,073	1,491,886	863,622	800,491	1,881,583
10	1,960,186	1,925,655	1,414,620	774,572	751,376	1,851,968
17	1,989,612	1,883,481	1,380,576	699,976	688,871	1,820,332
24	2,008,522	1,856,945	1,313,655	634,212	647,179	1,843,126
July 1	2,024,276	1,820,361	1,239,640	580,526	572,044	1,759,155
8	2,015,763	1,772,838	1,178,490	516,925	545,627	1,695,287
15	2,005,346	1,712,204	1,126,611	495,290	497,290	1,659,094
22	1,991,954	1,668,648	1,095,532	417,242	465,458	1,595,404
29	1,978,955	1,650,501	1,020,034	384,092	410,873	1,543,695
August 5	1,978,387	1,560,444	951,719	339,127	365,443	1,420,084
12	1,960,995	1,524,801	903,919	301,355	329,381	1,392,845
19	1,947,707	1,464,301	854,736	280,329	294,246	1,342,364
26	1,967,498	1,399,145	837,702	285,803	294,552	1,267,829

Egyptian Cotton Exports, by Countries of Destination, during Egyptian Cotton Season, from September 1 to August 31

[In running Egyptian bales]

Source: Alexandria General Produce Association

	1915-16	1916-17	1917-18	1918-19	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26
Austria	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	812	2,331	4,235	7,108	7,639	3,299	3,985
England	355,669	346,196	503,597	459,774	345,878	223,292	353,275	403,045	450,436	424,953	426,278
France	45,812	28,063	44,560	78,487	50,089	40,266	83,198	114,185	137,707	126,464	126,052
Germany	—	—	—	—	5,874	8,558	16,582	19,992	17,167	14,377	9,523
Greece and Turkey	40	143	4,891	2,602	926	2,676	2,930 ¹	792 ¹	2,488 ¹	3,286 ¹	1,973 ¹
Holland	—	—	—	—	1,841	2,680	3,443	3,627	7,290	9,799	7,173
India and China	185	—	—	—	—	2,060	1,260	1,627	1,851	434	874
Italy	52,516	54,726	50,140	49,328	52,111	77,775	90,257	117,146	137,776	160,710	140,772
Japan	25,801	20,682	18,218	22,160	14,256	18,686	19,753	33,711	26,356	33,080	50,562
Portugal	801	929	—	250	695	763	650	925	850	823	843
Russia	42,619	32,446	—	—	—	—	—	1,450	—	—	—
Spain	20,332	12,534	16,911	10,436	8,805	14,671	19,399	29,557	27,508	19,608	26,001
United States	184,544	134,891	75,865	95,262	256,555	51,130	168,136	211,417	109,261	135,200	150,570
Other countries	—	—	—	10	15	527	410	1,646	1,000	2,530	1,587
Total	728,319	630,610	714,182	718,309	737,857	445,415	763,528	945,328	927,328	934,563	946,193

¹ Greece and Syria.

NOTE. — This table shows only the destination of the cotton as given when the cotton was shipped from Egypt. Some of the cotton was reshipped from these countries of initial destination and was finally consumed in other countries; for example, some of the cotton reported here as taken by Great Britain was reshipped by the latter to the United States.

Great Britain Raw Cotton Trade and Distribution

[000's omitted]

Source: Liverpool Cotton Association

Year	Imports					Exports		Consumption		Stock at End of Season		Year
	American	Brazilian	Egyptian, etc.	Peruvian, etc.	East Indian	Total	Average Weight of Bales	Total	Average Weight of Bales	Liverpool	Great Britain	
1850	1,184	172	79	6	308	1,749	392	272	388	455	622	1850
1860	2,581	103	109	10	563	3,366	424	608	429	546	794	1860
1870	1,664	403	220	112	1,063	3,462	380	658	386	379	547	1870
1880	2,634	123	240	73	570	3,640	434	531	444	478	681	1880
1890	2,918	150	272	66	604	4,010	467	477	475	910	1,179	1890
1900-01	3,028	39	389	55	128	3,639	506	375	506	366	506	1900-01
1910-11	3,399	125	603	127	252	4,506	503	557	498	402	724	1910-11
1911-12	4,305	78	590	151	106	5,230	507	642	503	595	1,087	1911-12
1912-13	3,615	202	591	193	136	4,737	506	527	501	572	994	1912-13
1913-14	3,507	286	570	249	264	4,876	492	437	491	886	1,225	1913-14
1914-15	4,048	40	559	206	277	5,130	504	605	496	1,462	1,815	1914-15
1915-16	2,698	5	557	197	154	3,611	513	494	497	644	962	1915-16
1916-17	2,646	17	442	191	96	3,392	512	204	505	268	585	1916-17
1917-18	2,276	25	484	143	211	3,139	512	3	506	251	760	1917-18
1918-19	2,490	13	414	165	84	3,166	510	75	521	659	900	1918-19
1919-20	3,268	79	623	292	200	4,462	507	449	503	1,015	1,479	1919-20
1920-21	1,716	15	252	226	93	2,302	505	291	512	1,085	1,474	1920-21
1921-22	1,811	111	417	309	62	2,710	506	224	497	787	1,163	1921-22
1922-23	1,335	89	496	299	243	2,462	508	194	496	399	683	1922-23
1923-24	1,682	58	481	421	326	2,968	500	249	499	414	651	1923-24
1924-25	2,568	50	462	469	196	3,745	491	236	491	570	889	1924-25
1925-26	2,255	153	437	555	226	3,626	488	238	488	849	1,185	1925-26

NOTE. — Through 1890, the import, export, and consumption figures were for year ending December 31; from 1900-01 through 1913-14 the figures are for year ending August 31; commencing with 1914-15 the figures are for year ending July 31.

Indian Exports of Cotton

[Bales of 478 pounds net]

[Fiscal years ending March 31]

Source: Bureau of Foreign and Domestic Commerce

COUNTRY OF DESTINATION	1921-22	1922-23	1923-24	1924-25	1925-26
United Kingdom . . .	29,905	159,733	241,418	129,994	188,288
Germany	196,176	219,866	201,774	135,661	182,192
Netherlands	4,483	8,036	24,420	303,930	39,709
Belgium	165,723	210,651	216,988	161,775	203,419
France	47,371	105,566	145,801	107,680	161,152
Spain	25,209	53,878	73,130	77,162	60,984
Italy	129,028	201,680	460,507	389,601	381,618
Austria	27,977	35,545	35,091	6,241	1,617
Ceylon	2,265	4,334	5,331	3,433	5,717
Indo-China	24,687	16,628	22,244	21,699	36,541
China	363,907	415,600	225,571	228,249	456,454
Japan	1,471,078	1,354,496	1,436,451	1,545,547	1,744,256
United States	7,671	18,243	35,985	26,415	25,923
All other	2,710	4,404	5,677	11,079	4,138
Total	2,498,190	2,808,660	3,130,388	2,874,834	3,492,007

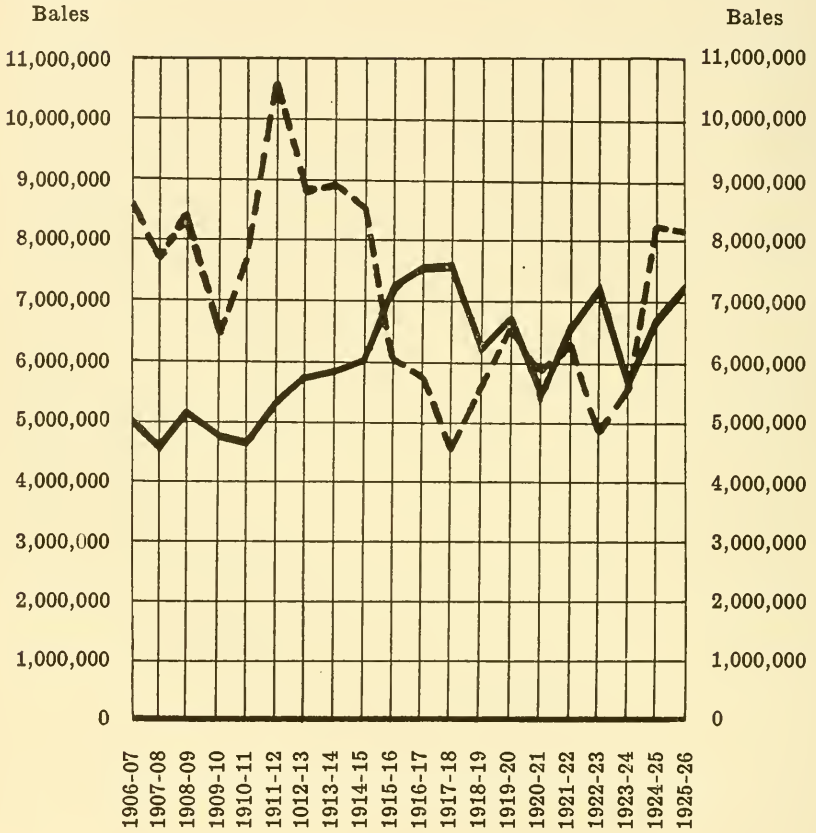
Brazilian Exports of Raw Cotton

[Bales of 478 pounds net]

Source: Bureau of Foreign and Domestic Commerce

COUNTRY OF DESTINATION	Average, 1909-13	1913	1921	1922	1923	1924
Great Britain	63,646	132,120	45,708	78,154	52,267	18,904
France	2,771	8,436	13,386	26,464	8,661	1,277
Italy	6	-	1,301	-	-	68
Netherlands	883	3,716	-	-	-	773
Belgium	1,331	1,536	1,138	-	-	108
Germany	2,332	4,340	6,900	-	-	255
Austria-Hungary . . .	204	159	-	-	-	-
Portugal	7,517	14,157	14,499	26,619	20,312	7,084
Spain	491	-	-	-	-	-
Russia (in Europe) . .	49	267	-	-	-	-
United States	73	367	3,485	5,310	5	17
Argentina	46	-	-	-	-	-
Uruguay	7	-	-	-	-	-
All others	-	-	48	13,159	3,295	18
Total	79,356	165,038	86,465	149,706	84,540	28,562

United States Consumption and Exports of Cotton and Linters



The above chart is based on the table on the following page

— Consumption
- - - Exports

United States Production, Consumption, and Exports of Cotton and Linters

The statistics below are in running bales except that round bales are counted as half bales and foreign cotton in equivalent 500-pound bales. The years as given are the official cotton seasons. Through 1913-14 the seasons were from September 1 to August 31. Starting with 1914-15, they have been from August 1 to July 31.

Source: United States Bureau of the Census

COTTON SEASON	Production	Consumption	Exports
1906-07	13,097,992	4,984,936	8,503,265
1907-08	11,527,833	4,539,090	7,573,349
1908-09	13,418,144	5,240,719	8,574,024
1909-10	10,350,978	4,798,953	6,339,028
1910-11	12,384,248	4,704,978	7,781,414
1911-12	16,068,936	5,367,583	10,681,758
1912-13	14,159,078	5,786,330	8,800,966
1913-14	14,290,320	5,884,733	8,914,839
1914-15	16,738,241	6,009,207	8,544,563
1915-16	12,012,813	7,278,529	6,191,110
1916-17	12,664,078	7,658,207	5,739,009
1917-18	12,344,664	7,685,329	4,476,124
1918-19	12,816,716	6,223,837	5,663,920
1919-20	11,920,625	6,762,207	6,598,347
1920-21	13,699,975	5,408,979	5,796,107
1921-22	8,360,153	6,548,853	6,316,121
1922-23	10,319,843	7,312,201	4,864,027
1923-24	10,810,234	6,217,292	5,772,000
1924-25	14,497,361	6,852,265	8,195,876
1925-26	17,167,011	7,239,618	8,155,570

United States Imports of Cotton, by Countries of Production

[Equivalent 500-pound bales]

Source: United States Department of Commerce

PERIOD	Egypt	China	Peru	India	Mexico	All Other	Total
Month of —							
July, 1926	8,819	115	759	2,235	—	162	12,090
June, 1926	14,803	761	1,216	5,047	266	44	22,137
May, 1926	9,571	814	947	2,273	13	7	13,625
April, 1926	29,034	721	389	2,331	758	115	33,348
March, 1926	33,794	3,000	1,232	1,972	5,437	291	45,726
February, 1926	22,930	5,644	1,109	828	7,604	239	38,354
January, 1926	48,904	6,642	1,474	767	3,874	400	62,061
December, 1925	27,122	2,248	1,543	312	2,824	325	34,374
November, 1925	21,769	593	1,835	759	2,049	2	27,007
October, 1925	6,190	1,477	2,605	1,360	546	224	12,402
September, 1925	10,764	134	1,221	2,779	176	47	15,121
August, 1925	4,920	303	2,307	1,480	6	250	9,266
Season ending —							
July 31, 1926	238,620	22,452	16,637	22,143	23,553	2,106	325,511
July 31, 1925	190,313	33,703	13,389	28,147	44,384	3,392	313,328
July 31, 1924	164,152	45,118	19,928	34,419	27,062	1,609	292,288
July 31, 1923	329,335	50,239	21,186	22,124	45,679	1,391	469,954
July 31, 1922	233,729	15,563	38,753	10,348	53,637	11,435	363,465
July 31, 1921	87,168	14,722	22,597	8,489	88,155	5,210	226,341
July 31, 1920	485,004	57,185	63,426	14,358	65,343	14,898	700,214
July 31, 1919	100,006	10,871	25,230	2,893	54,434	8,151	201,585
July 31, 1918	114,580	38,964	19,692	7,096	35,726	5,158	221,216
July 31, 1917	199,892	36,063	11,069	3,860	32,858	8,215	291,957
July 31, 1916	350,796	35,792	10,909	4,214	30,098	5,765	437,574
July 31, 1915	252,373	25,631	10,353	7,845	85,180	904	382,286

United States Exports of Domestic Cotton and Linters, by Countries of Destination

[For fiscal years]

Source: United States Department of Commerce

YEAR	Total Value	Total	EXPORTS (EQUIVALENT 500-POUND BALES) TO —										All Other Europe	Japan	Canada	Mexico	All Other Countries
			United Kingdom	Germany	France	Italy	Spain	Belgium	Russia ¹	Austria ²	Nether-lands						
1926	\$917,719,910	8,211,647	2,297,611	1,690,307	943,586	745,070	314,619	203,461	235,775	618	125,891	155,250	1,118,261	253,932	568	126,668	
1925	1,060,980,197	2,623,425	1,891,392	1,352,425	931,473	756,156	289,586	229,741	286,307	571	151,285	157,430	819,584	206,831	81	50,527	
1924	903,973,146	5,898,713	1,315,554	1,691,805	751,424	563,733	216,253	168,968	129,318	2,144	112,456	153,233	583,937	151,731	1,082	32,965	
1923	658,982,835	5,253,464	1,406,748	1,615,647	704,109	572,068	200,244	185,769	7,274	2,958	75,618	135,614	679,158	217,052	15,492	27,331	
1922	596,378,561	6,717,757	1,493,003	1,616,674	820,049	468,590	311,351	186,272	—	4,008	96,203	135,614	895,367	201,166	6,195	139,325	
1921	600,185,029	5,622,777	1,786,984	1,152,424	590,630	558,015	260,990	166,018	—	5,862	98,754	155,056	554,892	169,166	70,692	53,381	
1920	1,381,707,502	7,087,487	3,441,704	420,758	596,391	577,249	275,034	209,372	—	42,858	186,476	183,729	876,250	216,606	1,111	16,615	
1919	873,679,669	5,525,887	2,494,000	773,744	557,546	557,546	281,343	72,652	310	55,386	57,919	203,949	809,313	203,015	1,707	11,967	
1918	655,024,655	4,641,023	2,887,101	—	658,553	369,213	259,194	—	15,945	—	10,008	82,572	583,546	249,973	10,706	14,122	
1917	543,074,690	6,176,162	2,895,423	—	1,055,749	687,158	394,093	—	49,189	—	62,161	184,717	530,892	187,201	5,298	121,251	
1916	374,186,247	6,168,140	2,760,890	—	890,376	836,915	310,246	—	173,419	—	102,087	169,154	503,077	197,659	23,695	170,592	
1915	376,217,972	8,807,157	3,919,749	294,194	692,690	1,127,400	464,504	5,057	82,125	455	544,035	808,096	498,806	182,700	33,727	127,520	
1914	610,475,301	9,521,881	3,581,501	2,881,324	1,139,399	537,357	297,339	227,374	99,076	106,511	35,033	63,725	353,340	150,393	34,671	11,018	
1913	547,357,195	9,124,591	3,716,898	2,443,886	1,074,987	500,823	317,954	226,967	74,907	113,182	14,597	55,376	396,779	152,015	29,977	15,303	
1912	565,819,271	11,070,251	4,343,108	3,156,171	1,228,294	636,077	313,500	211,903	112,262	125,564	35,242	53,821	480,354	181,607	16,129	145,579	
1911	585,318,869	8,067,882	3,461,054	2,202,707	1,021,908	436,296	242,073	150,225	84,941	79,530	18,124	48,713	156,724	156,824	4,631	4,042	
1910	450,447,243	6,413,416	2,444,558	1,887,657	968,427	327,455	178,455	107,346	67,203	57,290	18,853	35,000	125,592	29,604	1,831	1,831	
1909	417,390,655	8,895,970	3,665,355	2,438,000	1,098,173	565,695	301,789	157,631	96,575	94,782	30,129	58,174	208,943	131,453	42,575	6,506	
1908	437,788,292	7,633,997	2,950,352	2,385,663	889,083	418,921	262,744	119,470	98,371	90,049	27,684	62,125	200,396	113,997	4,767	4,375	
1907	481,277,797	9,036,434	3,966,119	2,315,651	1,006,633	567,916	275,868	154,168	121,141	113,630	29,092	65,083	262,253	150,343	732	7,775	
1906	401,005,921	7,268,090	3,181,143	1,871,441	817,583	486,697	241,717	114,673	112,480	56,375	18,490	44,486	147,269	141,908	29,285	4,603	
1905	379,965,014	6,909,698	3,907,254	2,011,679	818,304	534,735	296,337	145,561	129,060	42,572	31,163	72,911	336,575	115,857	79,082	9,405	
1904	370,811,246	6,126,386	2,475,732	1,797,354	734,286	363,286	184,362	109,213	168,506	28,158	16,055	61,488	45,870	88,795	66,507	580	
1903	316,180,429	7,086,086	2,793,096	1,915,094	806,673	444,350	266,336	137,351	181,938	32,512	42,512	82,243	152,826	127,640	66,507	2,978	
1902	290,651,819	7,001,558	3,132,324	1,705,815	775,773	445,437	270,692	153,232	73,446	39,757	22,418	61,679	178,505	129,016	27,500	7,054	
1901	313,673,443	6,651,781	1,629,935	1,629,935	754,329	365,359	237,346	154,682	53,171	37,238	53,180	52,325	78,538	102,980	35,103	718	
1900	291,832,737	6,901,166	2,302,128	1,619,473	736,092	443,951	246,612	145,319	51,950	44,919	74,635	323,202	109,683	18,522	13,045		
1899	200,568,774	7,406,821	3,663,444	1,728,375	803,406	417,353	248,635	125,224	95,012	57,127	51,621	81,580	182,734	98,230	36,130	4,130	
1898	230,442,215	7,790,329	3,562,101	1,858,325	842,038	387,581	263,648	161,941	103,825	35,614	43,509	61,159	224,214	122,495	42,433	13,416	
1897	290,890,971	6,207,186	1,371,577	1,716,025	716,025	323,117	231,088	85,485	81,579	23,971	34,731	48,790	61,022	80,408	30,207	333	
1896	200,056,460	4,670,453	2,267,222	1,038,457	478,265	261,644	216,178	87,966	91,622	15,912	14,219	51,397	40,388	68,074	38,817	322	
1895	204,900,990	7,034,866	3,533,782	1,504,631	790,699	332,656	255,679	145,340	141,998	24,852	25,999	55,317	22,130	105,534	75,953	294	
1894	210,869,289	5,366,565	2,970,903	909,389	610,854	211,716	225,364	128,907	140,082	960	18,581	39,686	9,603	65,085	55,165	270	

¹ Includes Finland and Poland prior to 1919.

² Includes Czechoslovakia and Hungary prior to 1920.

United States Exports of Cotton, by Ports

[In running bales, including linters]

Source: New York Cotton Exchange

	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26
Galveston . . .	2,691,473	2,494,504	1,929,111	2,080,874	2,854,503	2,081,307
New Orleans . . .	1,034,310	1,320,016	814,017	945,227	1,379,102	1,834,343
Mobile . . .	72,366	122,619	59,099	22,676	80,789	149,613
Savannah . . .	560,698	692,375	293,496	343,241	480,783	870,441
Charleston . . .	54,615	176,021	89,732	157,405	243,983	282,890
Wilmington . . .	97,251	107,175	98,900	95,050	108,213	99,506
Norfolk . . .	111,664	238,027	174,320	219,631	252,226	311,085
Baltimore . . .	5,911	7,759	2,369	3,259	397	10,458
New York . . .	92,080	202,776	302,169	542,951	505,510	297,060
Boston . . .	13,450	16,704	13,552	18,555	14,325	14,686
Philadelphia . . .	3,605	4,279	1,977	2,917	7,490	2,998
Newport News . . .	—	—	—	19	—	—
Brunswick . . .	11,830	29,480	28,477	50	—	400
Pensacola, etc. . .	9,993	10,821	9,245	11,950	8,490	20,107
Port Arthur . . .	2,198	—	—	—	—	—
Port Townsend . . .	176,567	90,959	9,632	47,134	84,111	57,120
San Pedro, etc. . .	70,461	61,186	18,869	30,248	78,970	57,623
San Francisco . . .	94,944	61,298	69,112	77,986	111,970	82,917
Portland, Ore. . .	3,625	1,150	—	—	—	—
Nogales . . .	1,950	—	200	—	—	—
Texas City, etc. . .	24,450	5,242	3,765	1,754	16,794	—
Eagle Pass . . .	37,171	651	3,534	274	13	30
El Paso . . .	3,252	47	2,850	57	53	4
Houston . . .	466,185	478,131	719,942	1,065,612	1,821,828	1,796,671
Portland, Me. . .	—	—	199,053	145,656	200,051	251,707
Jacksonville . . .	3,015	1,300	675	2,254	1,858	12,457
Georgetown . . .	—	—	—	—	—	—
Total . . .	5,643,064	6,122,520	4,844,096	5,814,780	8,251,459	8,233,423

United States Production of the Principal Cotton Piece Goods; and Yarns for Sale, 1921, 1923 and 1925

Source: United States Bureau of the Census

Quantity for leading States that can be shown separately without disclosing the operations of individual establishments.

	1925	1923	1921
	Square Yards	Square Yards	Square Yards
Woven goods (over 12 inches in width)	7,741,568,028	8,264,219,579	6,703,835,942
Shirtings (not silk striped or rayon striped)	372,106,936	262,539,219	249,306,167
North Carolina	69,948,031	61,350,157	56,014,065
Massachusetts	72,346,499	53,142,974	74,369,085
South Carolina	89,417,537	37,199,662	54,278,007
Shirtings (silk striped)	10,866,710	78,685,447	51,413,734
Massachusetts	— ¹	32,709,440	47,316,736
South Carolina	— ¹	24,997,273	— ¹
Rhode Island	— ¹	12,398,212	— ¹
Shirtings (rayon striped)	72,423,104	— ¹	— ¹
Massachusetts	22,157,363	— ¹	— ¹
North Carolina	14,341,728	78,685,447	51,413,734
Rhode Island	7,106,480	— ¹	— ¹
South Carolina	23,537,288	— ¹	— ¹
Cloth of cotton and silk or other vegetable fibre and silk (except silk-striped shirting) .	177,106,868	150,848,235	36,558,908
Massachusetts	102,219,041	103,099,673	16,730,079
Rhode Island	21,980,761	17,627,283	— ¹
Lawns, nainsooks, cambrics and similar muslins	326,087,427	367,209,215	392,203,289
Massachusetts	128,933,441	157,246,005	188,804,824
Connecticut	35,303,649	51,613,296	58,187,624
North Carolina	38,808,998	49,340,482	— ¹
Rhode Island	43,018,788	45,503,046	53,672,221
South Carolina	66,689,815	26,082,288	46,212,610
Voiles	124,478,525	134,708,905	86,285,231
Massachusetts	93,857,220	119,933,525	62,057,818
Rhode Island	7,951,758	5,372,129	8,364,119
South Carolina	5,879,722	— ¹	— ¹
Ginghams	356,475,999	571,664,554	536,608,509
North Carolina	115,052,313	163,296,966	122,719,438
Massachusetts	77,980,136	136,695,791	137,880,098
South Carolina	29,300,264	37,491,030	37,379,682
Print cloths	1,166,374,053	1,578,196,293	1,157,680,495
South Carolina	739,834,612	830,088,788	557,114,622
Massachusetts	208,599,259	459,296,360	393,409,673
North Carolina	104,535,543	119,174,230	97,450,230

¹ Not reported separately.

United States Production of the Principal Cotton Piece Goods; and Yarns for Sale, 1921, 1923 and 1925 — (Continued)

Source: United States Bureau of the Census

Quantity for leading States that can be shown separately without disclosing the operations of individual establishments.

	1925	1923	1921
	Square Yards	Square Yards	Square Yards
Woven goods — <i>Con.</i>			
Sheetings	1,638,168,738	1,695,520,069	1,600,998,979
South Carolina	501,219,102	549,849,047	552,384,046
Georgia	316,956,652	271,562,614	258,108,831
North Carolina	225,007,412	184,051,205	141,612,847
Massachusetts	95,439,280	136,433,893	137,893,022
Pillow tubing	30,528,811	17,286,049	28,116,000
Maine	13,193,637	6,838,615	15,496,615
Pile fabrics — plushes, velvets, velveteens, etc.	33,478,404	27,710,667	11,510,406
Pennsylvania	21,575,608	17,039,775	6,105,570
Rhode Island	5,093,956	4,885,496	— ¹
Corduroys	21,593,116	27,388,676	16,355,725
Twills and sateens	532,830,805	489,380,066	384,635,533
Massachusetts	133,519,173	130,902,592	90,166,148
Georgia	71,043,019	61,611,879	41,472,634
Connecticut	44,083,993	44,365,575	46,508,323
Alabama	42,301,355	36,920,779	28,833,424
Rhode Island	41,702,529	47,906,219	35,654,728
South Carolina	69,560,978	26,209,152	— ¹
Drills	286,114,586	303,420,862	191,715,280
Alabama	53,269,074	54,143,523	21,593,014
Georgia	92,985,954	116,119,981	54,468,304
South Carolina	77,357,241	75,103,202	63,916,287
Cotton flannel (Canton flannel, flannelettes and blanketing)	340,415,819	381,396,884	294,717,750
North Carolina	134,847,018	146,958,460	108,845,957
Massachusetts	66,280,654	100,925,303	84,790,910
New Hampshire	69,067,378	69,933,971	50,122,152
Tobacco, cheese, butter, bunting and bandage cloths	451,633,354	402,312,139	274,255,642
Massachusetts	242,175,661	248,276,400	153,374,313
South Carolina	105,151,924	— ¹	— ¹
Denims	180,491,656	225,640,344	168,126,957
Georgia	32,779,149	32,591,652	19,989,343
New Hampshire	11,920,016	15,429,494	11,790,288
North Carolina	67,552,257	89,557,002	71,516,582
Ticks	48,362,153	53,499,190	46,524,741
Georgia	8,806,213	7,940,484	—
North Carolina	14,872,377	17,336,236	13,036,545
Pennsylvania	3,866,476	4,241,861	— ¹

¹ Not reported separately.

United States Production of the Principal Cotton Piece Goods; and Yarns for Sale, 1921, 1923 and 1925 — (Continued)

Source: United States Bureau of the Census

Quantity for leading States that can be shown separately without disclosing the operations of individual establishments.

	1925	1923	1921
	Square Yards	Square Yards	Square Yards
Woven goods — <i>Con.</i>			
Osnaburgs	118,068,963	109,101,142	100,039,127
Alabama	22,908,569	13,046,238	18,414,425
Georgia	39,046,869	32,460,448	22,290,605
South Carolina	32,778,742	28,408,425	18,249,410
Bagging	95,030,057	113,603,461	92,835,998
Bags made from fabric woven by same establishment	12,693,953	48,314,025	— ¹
Tire duck	40,761,508	68,258,927	51,722,845
Georgia	15,776,838	7,656,161	12,992,271
Massachusetts	3,796,113	17,921,361	11,059,044
North Carolina	11,906,996	— ¹	— ¹
Cord fabrics for tires	176,964,466	100,727,166	— ¹
Massachusetts	41,417,980	28,019,743	— ¹
North Carolina	24,822,855	—	—
Rhode Island	16,375,338	15,178,951	43,933,691
Ounce duck	161,883,782	139,221,366	97,033,262
Georgia	49,955,488	38,114,787	31,343,847
Massachusetts	11,687,072	12,072,914	—
Alabama	41,017,234	29,134,834	20,950,042
Texas	38,203,296	37,974,541	28,605,027
Numbered duck	31,449,971	27,862,308	38,166,796
Georgia	7,985,603	9,531,654	6,346,624
Maryland	11,050,571	8,607,810	7,926,282
Mosquito netting and tarlatan	21,094,700	37,383,959	38,057,754
Turkish towels and towelling	50,662,751	47,445,632	39,244,281
Pennsylvania	4,445,642	5,601,587	— ¹
All other Terry weaves	1,212,325	3,310,490	3,282,485
Towels and towelling, wash cloths, bath mats, wiping and polishing cloths (except pile fabrics)	75,902,999	75,199,965	80,680,384
Georgia	13,244,485	9,689,892	— ¹
New Jersey	8,264,282	7,720,013	— ¹
South Carolina	12,078,475	— ¹	— ¹
Sheets and pillow cases	41,416,435	32,099,010	21,421,807
Cotton blankets	92,077,330	98,060,112	91,519,600
Massachusetts	28,394,477	16,354,558	23,385,276

¹ Not reported separately.

United States Production of the Principal Cotton Piece Goods; and Yarns for Sale, 1921, 1923 and 1925 — (Concluded)

Source: United States Bureau of the Census

Quantity for leading States that can be shown separately without disclosing the operations of individual establishments.

	1925	1923	1921
	Square Yards	Square Yards	Square Yards
Woven goods — <i>Con.</i>			
Cotton table damask, in the piece or otherwise	53,468,297	40,905,122	43,120,428
North Carolina	20,751,735	22,934,267	21,527,922
Bed spreads and quilts (crochet, marseilles, and satin) . . .	52,636,525	35,690,784	31,827,991
North Carolina	13,773,647	8,111,401	— ¹
South Carolina	8,782,641	— ¹	— ¹
Cottonades and cotton worsteds	29,131,065	20,952,012	22,979,531
Pennsylvania	6,245,201	3,820,789	— ¹
Tapestries	15,737,233	20,683,704	10,414,035
Pennsylvania	10,351,338	7,771,051	7,829,032
Other woven goods (over 12 inches in width)	477,432,119	430,424,566	370,542,581
	Pounds	Pounds	Pounds
Yarns for sale	626,356,804	620,725,267	484,218,907
North Carolina	269,327,951	259,579,191	198,917,839
Georgia	96,851,514	86,553,515	68,827,236
Massachusetts	68,914,956	79,272,641	71,094,939
Alabama	48,183,619	34,068,864	30,921,330
South Carolina	50,469,439	38,402,586	27,615,439
Thread	37,585,368	31,645,537	23,275,618
Massachusetts	13,209,648	9,810,335	6,420,312
Cotton waste, produced for sale .	417,094,448	378,640,237	271,775,280
Massachusetts	95,246,139	106,420,255	93,489,739
North Carolina	82,974,410	65,938,552	38,965,161
South Carolina	59,230,427	47,279,031	35,390,731

¹ Not reported separately.

Principal Classes of Cotton Goods produced by Sections,
1921, 1923 and 1925

				INCREASE OR DECREASE (PER CENT)	
	1925	1923	1921	1923 to 1925	1921 to 1923
<i>All Woven Goods (over 12 inches Wide)</i>					
United States:					
Square yards	7,741,568,028	8,264,219,579	6,703,835,942	-6.3	23.3
Value	\$1,245,139,031	\$1,398,901,764	\$956,731,860	-10.95	46.2
Cotton-growing States:					
Square yards	4,842,005,472	4,767,309,272	3,620,559,108	1.6	31.7
Value	\$653,000,522	\$706,513,963	\$422,341,753	-7.6	67.3
New England:					
Square yards	2,607,368,068	3,143,580,641	2,809,820,228	-17.1	11.9
Value	\$459,987,228	\$563,108,841	\$444,435,688	-18.3	26.7
<i>Sheetings</i>					
United States:					
Square yards	1,638,168,738	1,695,520,069	1,600,998,979	-3.9	5.9
Value	\$180,357,058	\$208,338,025	\$158,216,314	-13.5	31.7
Cotton-growing States:					
Square yards	1,318,671,398	1,305,829,140	1,195,389,693	1.0	9.2
Value	\$128,586,070	\$146,532,472	\$103,793,846	-12.2	41.2
New England:					
Square yards	270,166,289	329,035,866	352,571,097	-17.9	-6.7
Value	\$42,697,037	\$50,158,249	\$45,870,433	-14.9	9.3
<i>Lawns, Nainsooks, Cambrics and Similar Muslins</i>					
United States:					
Square yards	326,087,427	367,209,215	392,203,289	-11.2	-6.4
Value	\$43,323,433	\$57,277,453	\$58,408,313	-29.6	-1.9
Cotton-growing States:					
Square yards	105,498,813	87,501,636	78,278,961	20.6	11.8
Value	\$10,724,273	\$10,348,294	\$7,805,712	4.6	32.6
New England:					
Square yards	215,966,959	268,066,419	313,824,113	-24.1	-14.6
Value	\$31,906,552	\$46,371,298	\$50,501,560	-32.0	-8.2

Principal Classes of Cotton Goods produced by Sections, 1921, 1923 and 1925 — (Concluded)

	1925	1923	1921	INCREASE OR DECREASE (PER CENT)	
				1923 to 1925	1921 to 1923
<i>Twills, Sateens, etc.</i>					
United States:					
Square yards	532,830,805	489,380,066	384,635,533	9.0	27.2
Value	\$84,133,051	\$91,589,275	\$51,834,924	-8.1	76.7
Cotton-growing States:					
Square yards	227,710,989	160,479,897	109,560,311	41.8	46.5
Value	\$35,635,823	\$31,770,025	\$13,993,289	12.1	127.0
New England:					
Square yards	274,708,851	288,703,542	234,427,583	-4.9	23.2
Value	\$44,307,626	\$52,894,403	\$33,453,605	-16.3	58.1
<i>Tobacco, Cheese, Butter, Bunting and Bandage Cloths</i>					
United States:					
Square yards	451,633,354	402,312,139	274,255,642	12.3	46.7
Value	\$16,269,354	\$20,110,478	\$10,023,745	-19.1	100.6
Cotton-growing States:					
Square yards	123,937,084	137,418,047	98,068,082	-9.8	40.1
Value	\$4,450,282	\$5,195,907	\$2,723,156	-14.3	90.8
New England:					
Square yards	245,830,893	254,833,147	153,374,313	-3.5	66.2
Value	\$9,599,542	\$14,263,728	\$6,495,213	-32.8	119.6
<i>Yarns for Sale</i>					
United States:					
Pounds	626,356,804	620,725,267	484,218,907	.91	28.2
Value	\$313,060,245	\$348,684,605	\$218,555,043	-11.4	59.5
Cotton-growing States:					
Pounds	490,781,024	451,634,879	347,875,291	8.7	29.8
Value	\$233,256,323	\$232,994,306	\$128,267,472	.11	81.6
New England:					
Pounds	109,122,875	113,309,662	104,393,496	-3.7	8.5
Value	\$68,178,429	\$79,800,563	\$77,742,325	-14.6	2.6

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926

Compiled by Association of Cotton Textile Merchants of New York

CHAMBRAYS

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	11,114	40,536	31,859	25,267	23,618	12,507
April, May, June	9,857	33,804	30,932	29,021	26,490	10,596
July, Aug., Sept.	8,237	28,532	40,319	63,159	14,703	33,436
Oct., Nov., Dec.	11,673	42,072	42,060	24,573	14,715	15,949
Totals . . .	10,220	144,944	145,170	142,020	-	-

CHEVIOTS

Jan., Feb., March	3,626	12,400	8,620	6,624	13,495	5,058
April, May, June	3,177	10,777	11,097	11,725	13,175	5,686
July, Aug., Sept.	2,645	9,741	13,699	15,707	9,217	7,694
Oct., Nov., Dec.	3,726	13,493	12,826	10,756	9,884	5,624
Totals . . .	3,293	46,411	46,242	44,812	-	-

DENIMS

Jan., Feb., March	-	42,351	48,428	47,546	19,403	9,456
April, May, June	-	39,449	37,559	35,869	21,293	7,766
July, Aug., Sept.	-	41,136	51,623	83,994	10,806	40,137
Oct., Nov., Dec.	-	49,327	47,768	44,247	12,365	36,616
Totals . . .	-	172,263	185,378	211,656	-	-

DRILLS, 40 INCHES AND NARROWER

Jan., Feb., March	5,068	19,365	18,628	17,130	6,112	2,828
April, May, June	3,882	14,666	14,699	14,067	6,079	2,196
July, Aug., Sept.	4,093	13,350	15,292	16,834	4,137	3,738
Oct., Nov., Dec.	3,754	13,475	11,686	10,696	5,926	2,748
Totals . . .	4,199	60,856	60,305	58,727	-	-

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926 — (Continued)

Compiled by Association of Cotton Textile Merchants of New York

THREE-LEAF DRILLS, 40 INCHES AND NARROWER

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	3,687	16,719	16,843	13,849	7,718	3,275
April, May, June	2,741	10,978	7,669	6,009	11,027	1,615
July, Aug., Sept.	2,030	8,744	13,750	15,895	6,021	3,760
Oct., Nov., Dec.	2,107	9,718	10,204	8,215	5,535	1,771
Totals . .	2,641	46,159	48,466	43,968	—	—

DRILLS AND TWILLS WIDER THAN 40 INCHES

Jan., Feb., March	—	7,666	7,003	3,141	1,005	2,637
April, May, June	—	5,020	3,808	2,641	2,217	1,470
July, Aug., Sept.	—	4,378	5,067	5,761	1,528	2,164
Oct., Nov., Dec.	—	5,013	4,879	5,812	1,662	3,097
Totals . .	—	22,077	20,757	17,355	—	—

DUCK, WIDE (POUNDS)

Jan., Feb., March	—	4,610,023	4,609,106	—	518,345	—
April, May, June	—	4,867,190	4,371,592	—	1,013,943	—
July, Aug., Sept.	—	3,688,145	3,415,814	—	1,286,274	—
Oct., Nov., Dec.	—	4,259,925	4,375,800	—	1,170,399	—
Totals . .	—	17,425,283	16,772,312	—	—	—

DUCK, ALL SAIL (POUNDS)

Jan., Feb., March	—	777,552	809,033	—	195,025	—
April, May, June	—	763,249	693,125	—	265,149	—
July, Aug., Sept.	—	547,915	560,791	—	252,273	—
Oct., Nov., Dec.	—	709,779	776,069	—	185,983	—
Totals . .	—	2,798,495	2,839,018	—	—	—

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926 — (Continued)

Compiled by Association of Cotton Textile Merchants of New York

DUCK, ALL ARMY (POUNDS)

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	—	2,868,536	2,852,769	—	386,056	—
April, May, June	—	2,686,254	2,430,414	—	641,896	—
July, Aug., Sept.	—	2,226,424	2,402,031	—	466,289	—
Oct., Nov., Dec.	—	3,109,501	3,120,938	—	454,852	—
Totals . . .	—	10,890,715	10,806,152	—	—	—

HOSE AND BELTING, DUCK (POUNDS)

Jan., Feb., March	—	8,882,018	8,921,294	—	274,218	—
April, May, June	—	7,690,430	7,654,405	—	310,243	—
July, Aug., Sept.	—	8,092,187	8,124,695	—	277,735	—
Oct., Nov., Dec.	—	10,163,605	10,009,920	—	431,420	—
Totals . . .	—	34,828,240	34,710,314	—	—	—

GINGHAMS, CLASS A

Jan., Feb., March	956	2,767	5,874	5,613	8,055	1,162
April, May, June	1,171	3,607	691	239	10,971	710
July, Aug., Sept.	719	1,772	3,724	4,454	9,019	1,440
Oct., Nov., Dec.	629	1,668	3,606	3,425	7,081	1,259
Totals . . .	869	9,814	13,895	13,731	—	—

GINGHAMS, CLASS B

Jan., Feb., March	4,860	15,106	17,467	18,487	12,582	5,887
April, May, June	3,956	12,522	15,492	13,524	9,612	3,919
July, Aug., Sept.	4,264	13,059	14,768	18,894	7,903	8,045
Oct., Nov., Dec.	4,820	14,959	15,535	14,828	7,327	7,338
Totals . . .	4,475	55,646	63,262	65,733	—	—

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926 — (Continued)

Compiled by Association of Cotton Textile Merchants of New York

GINGHAMS, CLASS C

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	10,867	27,041	32,135	32,844	27,589	20,046
April, May, June	12,429	32,440	33,356	28,984	26,673	15,674
July, Aug., Sept.	10,000	26,789	32,151	33,267	21,311	16,790
Oct., Nov., Dec.	10,541	28,260	25,528	25,234	24,043	16,496
Totals . .	10,959	114,530	123,170	120,329	—	—

GINGHAMS, CLASS D

Jan., Feb., March	1,518	2,429	3,145	3,320	8,897	1,369
April, May, June	1,684	2,952	3,143	2,486	8,706	712
July, Aug., Sept.	931	1,378	2,491	3,172	7,593	1,393
Oct., Nov., Dec.	1,569	2,904	3,738	3,140	6,759	795
Totals . .	1,425	9,663	12,517	12,118	—	—

GINGHAMS, CLASS E

Jan., Feb., March	812	1,122	1,631	1,846	3,171	684
April, May, June	1,446	2,030	1,351	977	3,850	310
July, Aug., Sept.	1,202	1,429	1,203	1,408	4,076	515
Oct., Nov., Dec.	1,150	1,676	1,354	1,226	4,398	387
Totals . .	1,152	6,257	5,539	5,457	—	—

JEANS, GREY CLOTHS ONLY

Jan., Feb., March	1,893	5,927	6,192	5,596	2,824	937
April, May, June	1,655	4,799	4,650	4,173	2,973	460
July, Aug., Sept.	1,333	3,685	5,502	6,614	1,156	1,572
Oct., Nov., Dec.	1,905	5,811	6,161	6,381	806	1,792
Totals . .	1,696	20,222	22,505	22,764	—	—

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926 — (Continued)

Compiled by Association of Cotton Textile Merchants of New York

OSNABURGS, 30 INCHES, 7 OUNCES

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	1,997	16,060	16,937	20,964	5,284	10,177
April, May, June	1,941	15,222	19,918	18,683	588	8,942
July, Aug., Sept.	1,966	15,625	13,731	8,162	2,482	3,373
Oct., Nov., Dec.	1,577	12,928	14,523	21,456	887	10,306
Totals . . .	1,870	59,835	65,109	69,265	—	—

TOTAL OSNABURGS, EXCLUDING 30 INCHES, 7 OUNCES

Jan., Feb., March	1,109	6,126	6,074	6,105	2,049	4,056
April, May, June	1,338	8,163	8,680	7,219	1,532	2,595
July, Aug., Sept.	1,554	9,462	9,556	14,877	1,438	7,916
Oct., Nov., Dec.	1,953	11,991	11,654	12,288	1,775	8,550
Totals . . .	1,488	35,742	35,964	40,489	—	—

PAJAMA CHECKS, 36½ INCHES, 72/80, 4.70 YARD

Jan., Feb., March	—	9,591	9,837	23,152	144	17,655
April, May, June	—	14,278	13,523	13,792	899	17,924
July, Aug., Sept.	—	16,203	14,694	13,975	2,408	17,205
Oct., Nov., Dec.	—	16,753	15,646	8,086	3,515	9,645
Totals . . .	—	56,825	53,700	59,005	—	—

TOTAL PAJAMA CHECKS, EXCLUDING 36½ INCHES, 72/80, 4.70 YARD

Jan., Feb., March	—	4,889	5,221	10,383	1,073	6,498
April, May, June	—	5,740	5,312	7,334	1,501	8,520
July, Aug., Sept.	—	6,901	7,812	8,656	590	9,364
Oct., Nov., Dec.	—	7,527	7,375	4,011	742	6,000
Totals . . .	—	25,057	25,720	30,384	—	—

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926 — (Continued)

Compiled by Association of Cotton Textile Merchants of New York

PLAIDS

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	680	2,528	1,374	1,070	3,226	411
April, May, June	456	1,464	357	633	4,333	687
July, Aug., Sept.	832	2,819	4,173	5,043	2,979	1,557
Oct., Nov., Dec.	788	2,808	1,885	812	3,902	484
Totals . .	689	9,619	7,789	7,558	—	—

PRINT CLOTH FANCIES

Jan., Feb., March	7,010	15,732	15,738	17,576	2,269	11,620
April, May, June	6,932	15,626	14,719	16,117	3,176	13,018
July, Aug., Sept.	6,794	15,335	15,345	14,129	3,166	11,802
Oct., Nov., Dec.	7,305	16,237	16,194	20,783	3,209	16,391
Totals . .	7,010	62,930	61,996	68,605	—	—

PRINT CLOTHS, 27 INCHES, 64/60, 7.60 YARD

Jan., Feb., March	3,906	13,832	12,839	11,789	5,753	3,127
April, May, June	4,328	14,444	13,678	11,909	6,519	1,358
July, Aug., Sept.	4,064	12,522	14,963	15,212	4,078	1,607
Oct., Nov., Dec.	3,823	12,894	10,444	12,075	6,528	3,238
Totals . .	4,030	53,692	51,924	50,985	—	—

TOTAL PRINT CLOTHS NARROWER THAN 36 INCHES, EXCLUDING 27 INCHES, 64/60, 7.60 YARD

Jan., Feb., March	3,946	15,437	14,252	12,223	8,541	1,800
April, May, June	3,014	10,642	12,574	12,142	6,609	1,368
July, Aug., Sept.	2,132	7,380	12,294	13,063	1,695	2,137
Oct., Nov., Dec.	2,415	9,146	8,917	9,159	1,924	2,379
Totals . .	2,876	42,605	38,037	46,587	—	—

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926 — (Continued)

Compiled by Association of Cotton Textile Merchants of New York

PRINT CLOTHS, 38½ INCHES, 64/60, 5.35 YARD

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	—	65,388	63,040	53,526	8,990	20,780
April, May, June	—	55,338	54,800	42,713	9,528	8,693
July, Aug., Sept.	—	59,123	64,699	81,218	3,952	25,212
Oct., Nov., Dec.	—	60,868	58,261	68,044	6,559	34,995
Totals . .	—	240,717	240,800	245,501	—	—

PRINT CLOTHS, 39 INCHES, 68/72, 4.75 YARD

Jan., Feb., March	—	38,758	33,982	26,253	5,448	7,167
April, May, June	—	30,922	22,832	17,091	13,538	1,426
July, Aug., Sept.	—	27,432	30,678	38,887	10,292	9,635
Oct., Nov., Dec.	—	29,166	31,752	34,976	7,706	12,859
Totals . .	—	126,278	119,244	117,207	—	—

TOTAL PRINT CLOTHS, 36 INCHES AND WIDER, EXCLUDING 38½ INCHES, 64/60, 5.35 YARD, AND 39 INCHES, 68/72, 4.75 YARD

Jan., Feb., March	—	81,079	79,967	67,349	9,214	15,724
April, May, June	—	79,195	59,249	51,632	29,160	8,107
July, Aug., Sept.	—	78,747	93,536	113,276	14,371	27,847
Oct., Nov., Dec.	—	78,831	76,853	82,906	16,349	33,900
Totals . .	—	317,852	309,605	315,163	—	—

SATEENS, HEAVY WARP

Jan., Feb., March	1,243	3,854	3,946	3,555	1,279	792
April, May, June	839	2,486	2,256	2,094	1,509	630
July, Aug., Sept.	830	2,637	3,875	5,273	271	2,028
Oct., Nov., Dec.	1,370	5,093	4,866	4,340	498	1,502
Totals . .	1,070	14,070	14,943	15,262	—	—

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926 — (Continued)

Compiled by Association of Cotton Textile Merchants of New York

SATEENS WIDER THAN 40 INCHES

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	—	6,630	5,629	6,491	1,119	6,851
April, May, June	—	4,239	2,609	1,188	2,749	5,430
July, Aug., Sept.	—	3,348	3,348	3,006	2,749	5,088
Oct., Nov., Dec.	—	3,502	3,717	2,070	2,534	3,441
Totals . .	—	17,719	15,303	12,755	—	—

SHEETINGS WIDER THAN 40 INCHES

Jan., Feb., March	—	6,983	7,768	5,969	1,126	2,947
April, May, June	—	7,213	5,380	4,096	2,959	1,663
July, Aug., Sept.	—	6,701	5,560	5,694	4,100	1,797
Oct., Nov., Dec.	—	7,033	6,254	7,991	4,879	3,534
Totals . .	—	27,930	24,962	23,750	—	—

SHEETINGS, CLASS A, 40 INCHES, 48/48, 2.85 YARD

Jan., Feb., March	1,899	7,264	8,875	7,840	315	2,842
April, May, June	2,538	9,739	8,184	6,193	1,870	851
July, Aug., Sept.	2,037	7,850	8,373	9,836	1,347	2,314
Oct., Nov., Dec.	1,867	7,138	8,166	10,165	319	4,313
Totals . .	2,085	31,991	33,598	34,034	—	—

TOTAL SHEETINGS, CLASS A, 40 INCHES AND NARROWER, EXCLUDING 40 INCHES, 48/48, 2.85 YARD

Jan., Feb., March	2,970	12,765	14,648	13,106	4,981	2,056
April, May, June	3,553	13,181	9,924	9,254	8,238	1,386
July, Aug., Sept.	3,141	12,277	14,276	16,053	6,239	3,163
Oct., Nov., Dec.	3,474	14,002	11,977	11,303	8,264	2,489
Totals . .	3,284	52,225	50,825	49,716	—	—

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926 — (Continued)

Compiled by Association of Cotton Textile Merchants of New York

SHEETINGS, CLASS B, 36 TO 37 INCHES, 48 7/8, 4.00 YARD

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	3,638	15,483	15,111	15,222	3,276	3,030
April, May, June	3,198	10,780	11,135	13,568	2,921	5,463
July, Aug., Sept.	5,051	19,470	20,756	22,012	1,635	6,719
Oct., Nov., Dec.	4,808	18,416	15,146	14,822	4,905	6,395
Totals . .	4,174	64,149	62,148	65,624	—	—

TOTAL SHEETINGS, CLASS B, 40 INCHES AND NARROWER, EXCLUDING 36 TO 37 INCHES, 48 7/8, 4.00 YARD

Jan., Feb., March	4,828	23,296	22,122	19,588	3,471	3,333
April, May, June	4,106	18,821	17,207	15,998	5,085	2,124
July, Aug., Sept.	3,495	14,088	17,227	22,072	1,946	6,969
Oct., Nov., Dec.	5,186	23,230	19,655	19,551	5,521	6,865
Totals . .	4,404	79,435	76,211	77,209	—	—

SHEETINGS, CLASS C, 36 INCHES, 6.05 TO 6.15 YARD

Jan., Feb., March	3,177	17,469	26,118	35,624	4,436	19,750
April, May, June	5,189	27,173	30,412	25,379	1,197	14,717
July, Aug., Sept.	6,463	33,552	30,016	26,938	4,733	11,639
Oct., Nov., Dec.	5,097	26,810	24,405	30,582	7,138	17,816
Totals . .	4,981	105,004	110,951	118,523	—	—

TOTAL SHEETINGS, CLASS C, EXCLUDING 36 INCHES, 6.05 TO 6.15 YARD

Jan., Feb., March	17,124	73,059	80,908	82,294	4,673	20,316
April, May, June	17,687	77,727	68,900	60,601	13,500	12,017
July, Aug., Sept.	17,572	72,190	75,538	88,946	10,152	25,425
Oct., Nov., Dec.	18,164	80,529	65,538	57,423	25,143	17,310
Totals . .	17,637	303,505	290,884	289,264	—	—

Production, Shipments, Sales, Stocks and Orders of Certain Standard Cloths, 1926 — (Concluded)

Compiled by Association of Cotton Textile Merchants of New York

TWILLS, FOUR-LEAF

	THOUSANDS OF YARDS					
	Average Looms Operating	Production	Shipments	Sales	Stock at End	Orders at End
Jan., Feb., March	2,237	9,201	9,236	7,164	4,750	1,171
April, May, June	1,790	6,217	5,256	4,669	5,711	584
July, Aug., Sept.	1,184	4,090	6,523	8,605	3,278	2,666
Oct., Nov., Dec.	1,805	6,669	7,421	8,683	2,526	3,928
Totals . . .	1,754	26,177	28,436	29,121	—	—

TWILLS, POCKETING

Jan., Feb., March	1,827	4,594	4,216	3,227	4,361	490
April, May, June	945	2,249	3,375	3,584	3,235	699
July, Aug., Sept.	964	2,321	4,230	5,074	1,326	1,543
Oct., Nov., Dec.	1,115	2,667	3,659	3,474	334	1,358
Totals . . .	1,213	11,831	15,480	15,359	—	—

United States Imports of Cotton Manufactures, by Classes of Goods, in Terms of Quantity

[Figures are for calendar years]

Source: United States Department of Commerce

This table embraces only those classes of goods which can be expressed in units of quantity. It does not include, necessarily, other classes which cannot be so expressed. The table on imports expressed in terms of value includes all the imports of manufactures of cotton.

	1916	1918	1919	1920	1921	1922	1923	1924	1925	1926
Cotton thread and yarn:										
Thread and yarns, warps or warp yarn, on beams, in skeins, etc. (pounds)	9,930,434	3,936,481	3,861,908	10,629,645	3,140,102	5,426,987	5,209,354	3,733,422	3,618,657	3,661,164
Sewing thread, crochét, darning and knitting cotton (100 yards)	—	—	—	83,331,972	45,966,524	51,800,837	42,326,041	36,993,528	29,902,175	21,889,760
Cloths:										
Unbleached (square yards)	11,533,599	6,587,809	19,732,441	50,408,634	16,365,557	23,028,859	95,186,119 ²	11,729,908	75,307,414	33,114,973
Bleached (square yards)	14,534,086	5,938,830	9,434,881	23,923,795	22,582,543	17,863,670	14,888,305 ²	5,703,554	4,831,677	5,236,245
Colored, dyed, printed and woven-figured (square yards)	—	—	—	—	—	—	108,895,883 ²	56,952,132	29,020,042	22,328,340
Dyed in the piece (square yards)	24,469,857	11,866,779	11,577,482	38,746,021	39,927,137	41,894,470 ¹	—	—	—	—
Printed (square yards)	5,011,711	2,006,832	3,725,381	13,611,021	8,927,300	11,261,896 ¹	—	—	—	—
All other (square yards)	10,837,385	5,839,319	5,283,316	14,098,894	18,528,011	15,599,198 ¹	—	—	—	—
Total cloths (square yards)	66,406,638	32,839,569	49,753,451	140,788,365	106,330,598	109,618,093 ¹	218,970,307 ²	177,385,654	109,219,133	90,679,598
Laces, embroideries, etc., and articles made thereof (except wearing apparel):										
Embroideries, including edgings, insertings, and galloons (yards)	—	—	7,586,004	24,880,980	29,885,458	24,012,109 ¹	—	—	—	—
Lace window curtains (square yards)	—	—	362,318	1,426,213	991,634	1,729,452	1,953,433	1,363,581	1,290,069	1,463,781
Pile fabrics and Terry-woven fabrics (square yards)	4,227,528	357,693	433,335	1,038,664	307,582	421,785 ¹	364,516 ⁴	431,451 ⁴	555,201 ⁴	—
Tapestries and Jacquard figured upholstery goods (square yards)	—	—	1,244,506	9,280,503	2,846,356	1,675,494 ¹	734,838 ⁴	1,224,372 ⁴	1,943,460 ⁴	—
Waste or flocks (pounds)	29,915,740	1,267,336	2,124,663	9,090,767	4,861,682	28,399,261	77,022,332	33,634,041	36,393,055	29,735,862
Wearing apparel:										
Knit goods:										
Gloves (dozen pairs)	—	—	181,239	386,414	1,114,080	1,774,978	1,158,430	1,364,980	1,659,131	2,111,429
Hosiery (dozen pairs)	57,927	116,310	65,955	228,285	756,028	1,357,602	611,718	530,939	563,246	497,258
All other knit goods (dozens)	—	—	52,850	21,951	31,522	10,528	111,337	105,823	85,998	83,698

¹ January 1 to September 21, after which new tariff law is in effect.

² Estimated.

³ Not separately classified under new tariff law.

⁴ Pounds only reported after September 21, 1922.

⁵ Quantity not available.

Note. — Where no figures are given for the earlier years (as for sewing thread, crochét, darning and knitting cotton prior to 1919) the items were either not compiled or not separately classified in those years. If compiled, they were grouped with other items shown in the table. It should not be assumed that there were no imports of such items if no figures were given for these items separately.

United States Imports of Cotton Manufactures, by Classes of Goods, in Terms of Value

[Figures are for calendar years]

Source: United States Department of Commerce.

	1916	1918	1919	1920	1921	1922	1923	1924	1925	1926
Cotton thread and yarn:										
Thread and carded yarns, warps, or warp yarns, on beams, in skeins, etc.	\$7,378,667	\$6,338,487	\$7,031,356	\$25,418,196	\$3,752,232	\$6,038,543	\$5,666,886	\$4,488,094	\$5,316,498	\$1,315,168
Sewing thread, crocheting, darning and knitting cotton	-	-	1,922,538	3,545,891	1,980,146	2,753,007	3,188,622	3,056,900	3,469,048	2,387,969
Cloths:										
Unbleached	\$1,203,915	\$2,223,962	\$5,402,862	\$13,748,108	\$2,916,817	\$7,933,955	\$18,287,386	\$21,889,138	\$15,422,983	\$6,838,585
Bleached	2,446,987	1,860,397	3,318,675	9,168,582	5,830,112	6,088,135	3,696,394	1,557,553	1,581,316	1,532,585
Colored, dyed, printed, and woven-figured	-	-	-	-	-	25,071,330	25,204,253	14,256,655	9,416,827	7,886,551
Dyed in the piece	5,505,294	4,575,846	5,259,942	16,787,812	11,552,492	-	-	-	-	-
Printed	1,030,996	946,538	1,656,763	6,060,191	3,241,521	-	-	-	-	-
All other	1,727,730	2,041,288	2,026,661	5,989,034	5,885,307	-	-	-	-	-
Total cloths	\$11,994,922	\$11,648,031	\$17,664,903	\$51,753,747	\$29,426,249	\$39,073,450	\$47,188,033	\$37,703,416	\$29,424,126	\$16,257,721
Lace window curtains	\$571,410	\$142,911	\$194,520	\$1,697,963	\$567,474	\$767,786	\$722,878	\$517,896	\$173,614	\$590,486
Laces and lace articles, including lace hangings, insertings, and galloons:										
Hand-made	440,870	395,340	925,608	1,021,173	589,219	2,325,623	2,168,354	2,083,357	1,685,550	982,607
All other	10,432,410	4,948,662	7,702,498	12,003,224	8,978,147	5,686,109	9,250,362	11,051,227	7,612,553	5,074,568
Netts and nettings	2,777,470	1,914,448	2,469,628	1,946,091	1,815,438	1,405,691 ²	1,139,555	1,038,264	1,109,067	1,047,473
Veils and veilings	22,639	8,803	23,851	69,681	37,585	- ³	- ³	-	- ³	- ³
Total laces, etc.	\$20,451,984	\$8,872,428	\$13,909,116	\$24,300,149	\$16,703,583	\$14,451,585	\$17,013,228	\$20,105,883	\$14,602,694	\$12,086,328
File fabrics and Terry-woven fabrics	\$2,018,563	\$354,356	\$593,147	\$1,115,295	\$256,295	\$245,887	\$899,837	\$933,782	\$1,177,679	\$2,385,810
Tapestries and Jacquard-figured upholstery goods	-	-	436,550	3,355,811	1,781,969	1,145,595	1,196,207	1,947,198	3,264,576	4,345,233
Waste or flocks	1,471,451	94,123	216,878	862,542	309,905	2,674,371	6,727,755	3,244,346	3,726,692	2,147,002
Wearing apparel:										
Product of the Philippine Islands	-	-	2,796,634	7,349,452	5,154,258	2,353,312	393,735	3,702,744	3,938,870	5,421,516
Knit goods	771,895	1,291,462	2,712,206	2,440,486	4,819,238	7,574,665	5,781,283	5,947,218	7,724,153	8,416,667
Gloves	-	-	305,854	1,345,637	3,271,300	5,360,454	4,034,413	4,246,798	5,488,064	6,513,666
Hosiery	135,721	134,663	135,574	908,829	1,358,434	2,141,124	1,326,247	1,400,318	1,942,246	1,612,447
All other knit goods	636,174	1,156,799	370,778	186,020	189,504	73,087	370,623	291,102	293,813	290,554
Total manufactures of cotton	\$53,751,310	\$39,808,295	\$52,649,218	\$137,431,814	\$75,428,323	\$87,069,809	\$100,154,179	\$90,913,637	\$79,271,008	\$67,159,329

¹ Not separately classified under new tariff law effective September 22, 1922.

² "Includes veils and veilings."

³ Not separately classified under new tariff law; included with "nets and nettings."

United States Exports of Cotton Manufactures, by Classes of Goods, in Terms of Quantity

[Figures are for calendar years]

Source: United States Department of Commerce

This table embraces only those classes of goods which can be expressed in units of quantity. It does not include, necessarily, other classes which cannot be so expressed.

	1917	1918	1919	1920	1921	1922 ¹	1923 ¹	1924 ¹	1925 ¹	1926 ¹
Cloths (running yards):										
Duck:										
Unbleached	8,398,833	5,097,520	9,128,503	13,183,255	5,890,284	8,277,695	6,880,282	7,180,784	9,023,964	9,164,388
Bleached	2,458,643	2,254,458	4,260,404	4,841,160	932,532	1,852,514	1,059,393	1,685,747	1,717,588	1,252,679
Colored	1,493,547	731,388	1,301,202	1,570,475	604,676	809,476	930,142	863,564	816,061	883,100
All other cloths:										
Unbleached	125,319,773	73,436,891	142,885,203	135,343,302	218,267,315	177,172,182	103,286,881	110,921,474	129,581,133	119,608,087
Bleached	143,198,426	99,227,003	126,349,050	184,368,835	83,676,191	99,681,739	77,635,357	82,458,865	92,437,823	98,358,648
Colored	-	-	-	-	-	-	-	-	-	-
Printed	183,295,059	139,768,162	137,665,325	159,132,993	90,327,226	113,319,448	102,202,243	97,262,828	111,197,504	99,150,188
Dyed in the piece	105,419,979	133,174,426	156,051,890	178,489,420	83,913,351	101,467,669	99,577,461	93,955,175	107,344,997	100,437,189
Dyed in the yarn	195,037,632	30,484,726	105,394,039	138,821,514	67,01,267	84,911,809	72,662,000	81,637,301	90,697,978	82,441,583
Fire fabrics	-	-	-	-	-	-	-	-	-	1,993,078
Total cloths	764,621,892	544,174,574	683,015,326	818,750,954	551,512,042	587,492,532	464,293,759	477,815,478	513,316,851	513,298,940
Mill waste (pounds)										
Rags (except paper stock) (pounds)	62,259,352	46,868,332	57,317,920	57,877,150	39,002,394	58,572,181	55,986,852	65,616,568	77,048,181	66,788,365
Hosiery (dozen pairs)	4,075,111	5,024,629	6,182,533	6,817,037	6,080,907	8,089,668	15,252,057	18,715,515	19,068,117	12,389,917
Yarn (pounds)	-	5,574,343	9,477,338	11,575,655	2,508,258	4,792,604	5,159,750	4,825,563	5,534,222	4,744,584
	-	13,355,800	20,699,124	24,099,399	14,294,176	15,503,800	12,081,384	13,673,509	21,891,810	24,036,636

¹ Cloth exports are in square yards.

NOTE. — Where no figures are given for the earlier years (as for unbleached, bleached, and colored duck prior to 1917) the items were either not compiled or not separately classified in those years. If compiled, they were grouped with other items shown in the table. It should not be assumed that there were no exports of such items if no figures are given for these items separately.

United States Exports of Cotton Manufactures, by Classes of Goods, in Terms of Value

[Figures are for calendar years]

Source: United States Department of Commerce

	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926
Blankets	-	\$2,498,163	\$3,551,511	\$5,196,387	\$990,808	\$960,214	\$970,258	\$728,941	\$817,685	\$859,752
Cloths:										
Duck:										
Unbleached	\$4,255,424	\$3,430,806	\$7,469,640	\$10,753,578	\$2,818,206	\$3,508,982	\$3,216,638	\$3,353,931	\$4,149,830	\$3,412,879
Bleached	1,002,157	1,234,330	3,037,108	2,892,720	399,373	613,229	475,947	494,486	616,670	452,768
Colored	471,781	312,967	718,083	882,682	262,836	238,532	372,185	325,816	298,066	317,993
All other cloths:										
Unbleached	\$11,787,698	\$11,830,927	\$23,591,461	\$32,029,596	\$19,669,270	\$19,296,926	\$13,731,328	\$13,943,631	\$15,093,935	\$12,451,883
Bleached	17,661,784	19,090,986	26,213,748	50,841,463	11,702,963	13,871,473	12,287,691	12,075,860	13,353,271	12,370,641
Colored	-	-	-	-	-	-	-	-	-	-
Printed	18,559,148	21,628,277	23,205,902	38,584,777	10,575,965	14,802,468	15,196,072	13,925,536	14,921,031	14,051,578
Dyed in the piece	15,490,989	30,073,042	40,665,903	58,834,461	15,505,740	18,111,287	19,679,792	18,082,158	20,330,460	17,694,723
Dyed in the yarn	26,281,686	19,918,808	27,095,972	43,224,280	10,640,069	14,789,205	14,353,149	16,003,459	10,257,486	13,039,338
Tire fabric	-	-	-	-	-	-	-	-	-	819,762
Total cloths	\$95,480,667	\$107,519,333	\$151,997,817	\$238,153,557	\$71,573,875	\$85,232,112	\$79,357,337	\$78,204,877	\$85,011,749	\$74,597,765
Laces and embroideries	\$1,614,299	\$1,569,322	\$1,731,675	\$1,629,409	\$611,506	\$359,634	\$319,454	\$295,088	\$310,142	\$257,802
Mill waste	9,005,446	9,483,664	12,411,704	12,308,596	3,678,527	6,067,303	7,609,698	7,616,188	8,720,581	6,077,523
Tags (except paper stock)	245,419	342,419	515,754	641,557	296,426	462,757	987,234	1,492,711	1,595,516	830,116
Thread, sewing, crochet, etc.	-	2,824,776	4,367,762	4,471,617	2,055,328	2,034,732	2,065,520	1,772,668	1,183,357	1,423,669
Wearing apparel:										
Collars and cuffs	-	329,227	771,219	816,142	341,789	348,646	403,415	770,823	683,393	570,207
Corsets	1,552,161	1,923,078	2,880,858	3,583,767	1,695,555	1,924,036	1,745,581	1,902,745	-	-
Knit goods	15,008,889	-	-	-	-	-	-	-	-	-
Hosiery	-	13,258,474	26,882,566	37,879,665	6,232,198	9,221,834	10,525,183	9,095,505	10,494,361	8,407,326
Underwear	-	2,897,486	8,602,293	14,067,839	3,602,493	6,185,980	5,025,008	3,740,963	3,827,662	3,213,987
All other knit goods	-	945,833	1,508,995	2,510,558	427,773	546,583	530,158	611,221	677,121	701,160
Yarn	6,583,081	8,846,694	14,438,630	20,014,949	5,679,075	6,815,664	6,632,672	7,423,967	11,896,201	12,131,925
Total manufactures of cotton	\$158,818,816	\$181,029,486	\$273,115,704	\$402,041,277	\$117,234,542	\$138,701,617	\$138,045,354	\$132,710,741	\$148,239,365	\$131,064,931

NOTE.—Where no figures are given for the earlier years (as for blankets for the years prior to 1918) the items were either not compiled or not separately classified in those years. If compiled, they were grouped with other items shown in the table. It should not be assumed that there were no exports of such items if no figures are given for these items separately.

Conversely figures for certain classes of goods (as for all other cloths, colored, after 1914) are discontinued when this classification is broken up into several sub-classifications, all other cloths, colored, being subdivided into printed, dyed in the piece, and dyed in the yarn.

United States Imports of Cotton Manufactures, by Countries

[Statistics are for years ending June 30 from 1916 to 1919, inclusive, and for calendar years thereafter]

Source: United States Department of Commerce

COUNTRIES	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
Europe:										
United Kingdom	\$27,772,312	\$39,542,259	\$30,303,244	\$23,192,647	\$82,128,618	\$27,917,368	\$39,003,963	\$51,222,189	\$42,447,766	\$34,177,328
Germany	1,991,717	53,500	-	-1	4,847,137	7,417,485	12,352,330	17,087,150	12,302,445	13,831,711
France	6,710,360	5,856,723	3,358,727	3,555,197	10,572,118	9,441,632	11,267,774	13,713,905	16,402,486	12,361,148
Switzerland	7,879,254	4,286,848	2,365,277	1,326,133	17,261,975	15,177,834	11,188,442	5,968,020	4,414,537	3,188,582
Belgium	28,342	9,695	1,431	621	861,740	424,198	692,459	1,045,021	1,280,353	1,187,923
Austria	20,344 ²	-	-	-1	-1	-	89,856	145,237	166,058	272,977
Italy	741,448	1,526,695	588,030	266,191	1,441,069	800,992	613,800	1,236,087	1,578,781	1,513,877
Spain	72,272	90,595	68,017	23,754	60,055	67,940	55,748	102,192	51,052	18,026
Czechoslovakia	- ³	- ³	- ³	- ³	387,953	329,938	697,288	967,748	983,103	1,478,106
Turkey (including Asiatic Turkey)	2,796	-	-	-1	104,803	55,328	22,418	53,775	18,682	16,005
All other Europe	235,161	286,394	186,733	301,245	2,220,696	958,069	1,030,848	925,430	832,894	533,781
America:										
Canada	77,962	184,367	2,679,683	2,078,544	248,108	344,590	211,722	263,439	135,949	252,481
Mexico	34,649	90,814	15,250	11,035	454,352	78,365	22,146	100,897	46,430	138,186
All other America	6,337	7,796	46,063	3,037	12,134	8,854	20,088	30,469	48,016	30,093
Japan	1,861,382	3,844,581	4,280,957	1,363,512	7,062,960	3,731,293	4,157,448	3,894,760	3,123,072	3,222,713
China	61,864	340,694	769,279	456,128	2,118,254	3,038,915	2,846,280	2,548,556	2,464,848	2,123,500
British India	3,578	23,578	18,192	5,548	32,101	71,627	188,208	212,696	297,445	451,219
All other countries	12,092	37,145	70,298	2,176,131	7,769,274	5,567,067	2,608,991	635,598	4,477,455	4,410,349
Total	\$47,511,870	\$56,181,684	\$44,751,181	\$34,762,723	\$137,583,347	\$75,430,495	\$87,069,809	\$100,153,179	\$90,913,641	\$79,771,008

¹ Included in "All other Europe."

² Includes Hungary.

³ Included in Austria.

United States Exports of Cotton Manufactures, by Countries

[Statistics are for years ending June 30 from 1916 to 1919, inclusive, and for calendar years thereafter¹]

Source: United States Department of Commerce

COUNTRIES	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
Europe:										
United Kingdom	\$26,706,477	\$10,776,950	\$10,070,789	\$12,796,495	\$25,900,099	\$3,881,979	\$11,351,039	\$9,232,304	\$8,138,680	\$10,077,802
Germany	1,468	11,011,886	18,606,003	11,057,043	12,452,319	1,522,910	1,119,584	1,158,523	1,827,423	2,355,718
All other Europe	11,537,916	9,507,287	9,489,081	38,907,913	34,491,375	11,533,970	7,004,752	4,935,250	3,570,284	5,555,374
America:										
Canada	18,274,627	28,264,480	27,984,121	30,555,383	40,526,138	18,207,778	20,540,062	19,204,728	16,384,203	17,675,268
Mexico	4,891,956	11,011,886	18,606,003	11,057,043	12,452,319	13,703,906	6,705,751	6,701,495	7,272,995	7,437,064
Central America	4,561,658	8,004,905	4,577,986	10,123,223	19,664,743	8,800,540	9,812,808	9,882,329	11,530,092	11,588,823
British West Indies (including Bermuda)	1,973,542	2,468,030	3,506,299	3,521,740	7,052,030	3,237,420	3,383,094	2,771,123	2,291,097	3,763,808
Cuba	7,741,071	10,630,927	17,728,667	16,819,419	73,361,132	6,741,018	11,451,303	22,880,293	20,881,923	16,020,118
Haiti	2,276,749	2,496,083	2,696,510	4,533,777	5,779,045	2,412,481	3,358,979	4,031,255	3,934,637	4,010,020
All other North America	1,381,558	3,231,716	5,668,253	3,279,006	14,828,026	2,116,374	3,122,172	4,087,780	4,911,952	5,608,133
Brazil	782,755	1,588,549	3,597,927	5,859,310	5,089,804	567,705	1,015,337	5,377,277	1,961,948	2,451,020
Chile	1,638,043	4,489,399	7,333,773	10,380,453	7,288,468	2,786,929	4,775,339	5,337,387	4,473,085	4,830,039
Colombia	2,607,192	3,793,316	2,355,123	3,351,124	25,308,682	2,190,374	5,765,011	4,734,691	5,309,086	8,001,506
Peru	675,086	2,584,311	2,728,782	2,478,639	6,128,972	1,099,481	1,957,994	2,127,413	1,897,225	1,303,769
Venezuela	1,114,606	2,278,406	1,012,670	1,482,650	10,303,687	514,331	882,653	1,463,983	2,311,810	2,370,444
All other South America	8,329,655	13,547,220	21,761,643	34,956,963	41,657,394	12,046,946	17,537,471	14,698,034	14,215,190	17,429,241
Asia and Oceania:										
China	953,677	681,044	1,217,295	2,051,883	9,201,386	2,576,539	2,248,349	539,607	526,805	1,408,286
British India	1,262,347	894,480	1,034,590	933,505	4,828,097	2,939,733	851,521	826,965	1,177,331	1,850,773
British Australasia	5,312,125	5,812,428	5,651,326	12,601,593	14,361,911	3,550,761	5,114,867	3,585,927	2,600,055	4,036,508
Aden	1,012,830	1,134,218	1,173,985	206,821	1,141,240	1,334,537	1,433,096	742,835	254,277	417,161
Philippine Islands	5,276,922	9,340,976	17,262,881	17,179,046	23,526,230	8,022,385	14,283,146	13,250,098	11,537,251	13,245,865
All other Asia and Oceania	777,938	1,626,716	1,747,806	4,832,686	12,068,056	2,668,763	1,728,391	1,878,240	1,214,900	1,542,624
Africa	1,855,837	2,134,815	2,830,709	3,691,894	5,114,107	1,740,882	3,093,427	2,995,627	3,747,592	4,517,825
Total	\$112,053,235	\$136,299,842	\$169,378,223	\$232,206,566	\$102,041,277	\$117,234,542	\$138,701,617	\$138,045,354	\$132,710,741	\$148,239,365

¹ Included in "All other Europe."

United States Exports of Cotton Cloth during Calendar Years

Source: United States Department of Commerce

YEAR													Linear Yards
1900	.	.	.	.	.	.	.	.	.	.	.	.	257,910,508
1901	.	.	.	.	.	.	.	.	.	.	.	.	376,233,960
1902	.	.	.	.	.	.	.	.	.	.	.	.	525,495,309
1903	.	.	.	.	.	.	.	.	.	.	.	.	374,074,192
1904	.	.	.	.	.	.	.	.	.	.	.	.	434,989,686
1905	.	.	.	.	.	.	.	.	.	.	.	.	790,259,024
1906	.	.	.	.	.	.	.	.	.	.	.	.	512,229,720
1907	.	.	.	.	.	.	.	.	.	.	.	.	216,387,642
1908	.	.	.	.	.	.	.	.	.	.	.	.	272,242,179
1909	.	.	.	.	.	.	.	.	.	.	.	.	380,521,971
1910	.	.	.	.	.	.	.	.	.	.	.	.	295,736,336
1911	.	.	.	.	.	.	.	.	.	.	.	.	410,200,201
1912	.	.	.	.	.	.	.	.	.	.	.	.	464,253,126
1913	.	.	.	.	.	.	.	.	.	.	.	.	466,677,252
1914	.	.	.	.	.	.	.	.	.	.	.	.	326,477,889
1915	.	.	.	.	.	.	.	.	.	.	.	.	518,338,302
1916	.	.	.	.	.	.	.	.	.	.	.	.	620,255,896
1917	.	.	.	.	.	.	.	.	.	.	.	.	764,621,892
1918	.	.	.	.	.	.	.	.	.	.	.	.	544,174,574
1919	.	.	.	.	.	.	.	.	.	.	.	.	683,045,326
1920	.	.	.	.	.	.	.	.	.	.	.	.	818,750,954
1921	.	.	.	.	.	.	.	.	.	.	.	.	551,512,942
1922	.	.	.	.	.	.	.	.	.	.	.	.	587,492,532 ¹
1923	.	.	.	.	.	.	.	.	.	.	.	.	464,520,397 ¹
1924	.	.	.	.	.	.	.	.	.	.	.	.	477,815,408 ¹
1925	.	.	.	.	.	.	.	.	.	.	.	.	543,316,851 ¹
1926	.	.	.	.	.	.	.	.	.	.	.	.	513,298,940 ¹

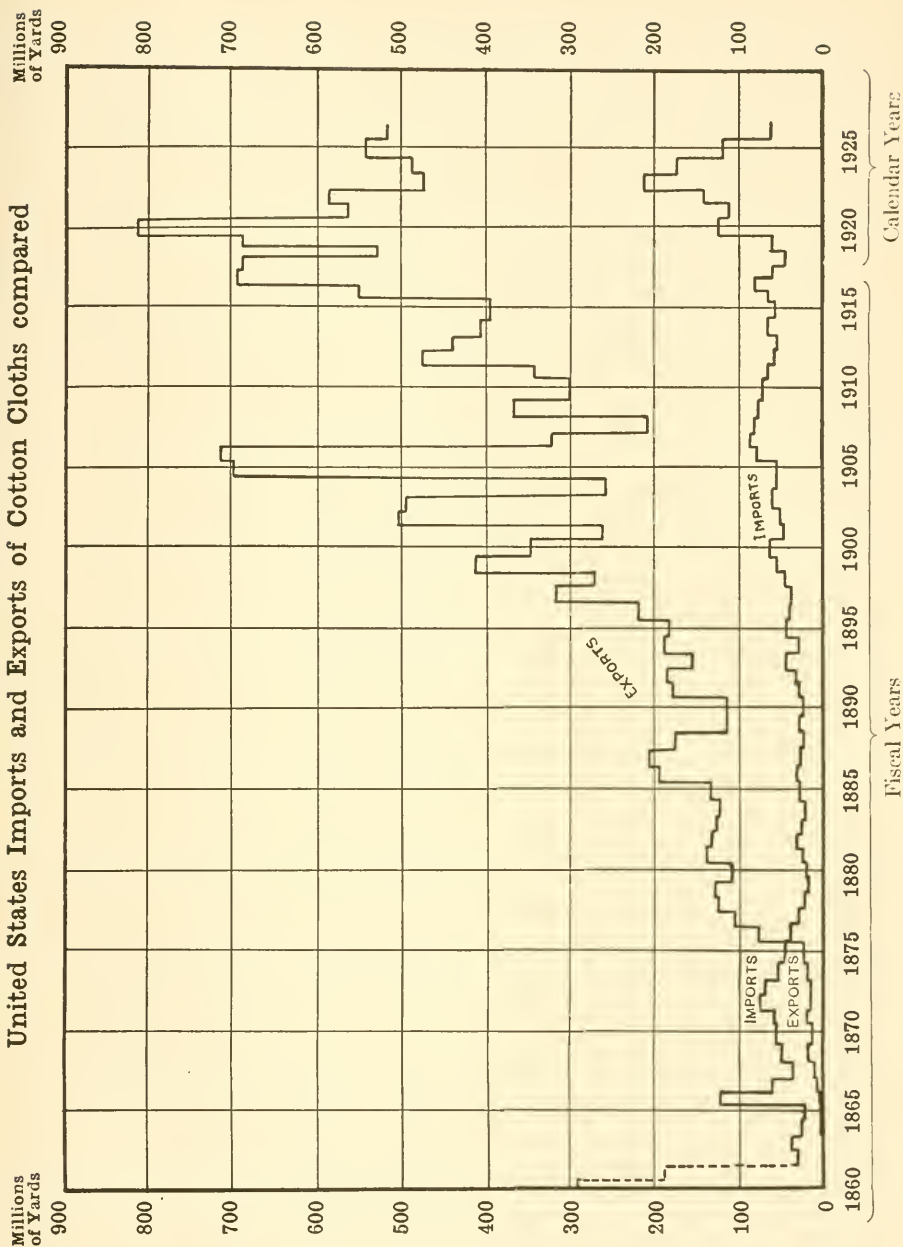
¹ Square yards.

United States Imports of Cotton Cloth during Calendar Years

Source: United States Department of Commerce

YEAR													Square Yards
1900	.	.	.	.	.	.	.	.	.	.	.	.	53,264,507
1901	.	.	.	.	.	.	.	.	.	.	.	.	41,891,885
1902	.	.	.	.	.	.	.	.	.	.	.	.	56,199,911
1903	.	.	.	.	.	.	.	.	.	.	.	.	59,250,082
1904	.	.	.	.	.	.	.	.	.	.	.	.	44,755,238
1905	.	.	.	.	.	.	.	.	.	.	.	.	61,381,256
1906	.	.	.	.	.	.	.	.	.	.	.	.	78,321,752
1907	.	.	.	.	.	.	.	.	.	.	.	.	91,613,881
1908	.	.	.	.	.	.	.	.	.	.	.	.	60,099,151
1909	.	.	.	.	.	.	.	.	.	.	.	.	73,803,398
1910	.	.	.	.	.	.	.	.	.	.	.	.	55,276,921
1911	.	.	.	.	.	.	.	.	.	.	.	.	52,031,130
1912	.	.	.	.	.	.	.	.	.	.	.	.	45,497,927
1913	.	.	.	.	.	.	.	.	.	.	.	.	46,563,568
1914	.	.	.	.	.	.	.	.	.	.	.	.	62,272,013
1915	.	.	.	.	.	.	.	.	.	.	.	.	42,759,670
1916	.	.	.	.	.	.	.	.	.	.	.	.	66,406,638
1917	.	.	.	.	.	.	.	.	.	.	.	.	65,296,802
1918	.	.	.	.	.	.	.	.	.	.	.	.	32,839,569
1919	.	.	.	.	.	.	.	.	.	.	.	.	49,753,481
1920	.	.	.	.	.	.	.	.	.	.	.	.	141,330,861
1921	.	.	.	.	.	.	.	.	.	.	.	.	106,308,379
1922	.	.	.	.	.	.	.	.	.	.	.	.	142,000,000 ¹
1923	.	.	.	.	.	.	.	.	.	.	.	.	218,970,307 ¹
1924	.	.	.	.	.	.	.	.	.	.	.	.	177,385,654
1925	.	.	.	.	.	.	.	.	.	.	.	.	109,249,133
1926	.	.	.	.	.	.	.	.	.	.	.	.	60,679,598

¹ Partly estimated, as imports of cotton cloth were reported in pounds only from September 22, 1922, to March 31, 1923.



United States Imports of Specified Cloths ¹

Source: Bureau of Foreign and Domestic Commerce

Month	Lawns, Organdies, Nainsooks, Cambrics, etc. (Square Yards)	Broadcloths and Poppins (Square Yards)	Sateens woven with more than 7 Harnesses (Square Yards)	Sateens woven with 8 or more Harnesses (Square Yards)	Vellets (Square Yards)	Crepes (Square Yards)	Ginghams (Square Yards)	Ratines (Square Yards)	Jacquard- woven Cloths, Other than Swiss or Lappets (Square Yds.)	Dotted Swiss (Square Yards)
1925										
January	1,067,511	14,558,003	1,233,238	291,021	524,024	662,565	115,831	91,503	97,148	41,846
February	1,078,065	9,810,944	878,566	244,823	380,395	657,820	209,632	65,647	65,647	35,281
March	1,263,861	10,399,348	862,109	286,705	536,750	462,018	134,997	19,395	65,704	41,507
April	876,525	5,694,636	831,143	263,975	133,382	298,855	93,549	3,155	39,774	17,870
May	889,886	3,454,120	411,097	292,824	465,365	396,412	68,814	952	35,406	12,372
June	770,240	2,123,380	369,355	220,541	465,990	137,089	35,481	56	48,024	7,440
July	782,471	2,062,481	168,755	264,005	383,778	89,402	234,840	—	48,930	9,234
August	520,346	1,938,369	142,037	254,007	244,444	65,957	24,609	1,908	42,082	5,469
September	925,396	2,755,876	180,803	125,516	254,573	76,733	101,684	4,408	83,491	6,600
October	1,433,682	3,754,415	188,224	250,409	600,333	105,359	103,733	1,721	40,796	13,567
November	770,275	3,487,949	443,684	108,013	683,575	95,777	84,288	10,434	85,398	8,415
December	1,368,001	3,280,588	343,738	191,122	879,870	224,569	82,194	677	83,147	11,368
Total	11,746,259	63,396,109	5,993,559	2,794,161	5,552,482	3,332,556	1,259,655	197,398	736,237	211,569
1926										
January	1,575,701	2,885,036	342,175	161,822	661,120	89,335	65,756	10,864	41,637	16,481
February	905,734	2,979,454	261,882	62,670	425,196	168,443	28,409	12,844	34,098	8,101
March	2,124,633	4,199,046	502,723	140,280	769,459	311,747	33,135	67,277	80,513	19,041
April	1,630,386	2,858,579	650,750	169,498	552,869	224,860	32,666	36,229	111,294	79,228
May	966,375	1,382,483	613,685	212,336	280,121	197,097	27,173	7,127	90,698	2,601
June	759,446	1,515,027	552,368	249,449	198,067	142,249	25,715	7,127	155,681	21,480
July	714,686	1,326,280	311,402	261,479	124,336	102,642	16,374	9,978	133,677	19,481
August	716,454	1,283,995	129,511	200,812	6,063	38,320	12,139	2,620	139,270	15,967
September	769,196	1,538,865	366,694	74,839	8,627	8,627	15,477	1,156	169,939	33
October	1,070,034	1,973,363	199,483	207,266	131,740	40,799	25,151	8,514	125,108	340
November	1,141,918	1,652,156	240,721	138,670	143,680	82,337	38,029	—	138,187	7,256
December	1,008,955	1,406,696	221,110	452,773	80,542	94,877	38,029	84,066	100,182	10,089
Total	13,374,518	24,415,980	4,392,504	2,331,914	3,313,804	1,412,833	328,671	240,749	1,195,673	190,317

¹ These statistics do not include all types of cloths imported, and are collected at only the more important ports of the United States. The figures, however, amount to practically 90 per cent of the cloth imports for the period covered.

Imports for Consumption of Countable Cotton Cloths

Bureau of Foreign and Domestic Commerce

AVERAGE YARN NUMBER	1923			1924			1925			1926		
	Square Yards	Pounds	Dollars	Square Yards	Pounds	Dollars	Square Yards	Pounds	Dollars	Square Yards	Pounds	Dollars
1-10 .	1,286,905	345,416	334,543	968,856	345,416	334,543	1,375,988	514,220	466,889	1,757,883	714,862	582,566
11-20 .	9,927,374	2,031,435	2,370,953	7,055,388	2,031,435	2,370,953	4,079,505	1,200,270	1,625,840	3,514,785	1,054,164	1,512,154
21-30 .	20,285,349	5,012,001	4,162,226	20,928,657	5,012,001	4,162,226	16,256,004	4,012,766	3,263,619	8,631,359	2,103,801	1,836,299
31-40 .	24,536,979	7,201,707	6,384,667	33,718,752	7,201,707	6,384,667	27,461,904	5,825,817	5,213,614	5,891,345	1,334,791	1,360,534
41-50 .	21,951,465	7,767,523	7,802,824	36,897,725	7,767,523	7,802,824	18,241,807	3,850,499	4,307,112	7,053,722	1,622,696	1,878,173
51-60 .	53,580,065	6,532,110	6,914,457	35,560,400	6,532,110	6,914,457	11,188,925	2,275,264	2,997,364	6,632,429	1,464,590	1,894,809
61-70 .	24,383,359	2,312,553	2,810,157	14,123,856	2,312,553	2,810,157	2,407,614	423,765	744,945	3,422,786	611,449	991,323
71-80 .	17,848,986	1,537,835	2,517,814	10,920,550	1,537,835	2,517,814	9,127,797	1,445,965	2,570,271	9,051,119	1,449,266	2,463,578
81-90 .	9,620,489	1,290,341	2,150,522	8,681,768	1,290,341	2,150,522	7,874,451	1,343,403	2,459,567	5,587,663	1,006,772	1,682,507
91-100 .	16,494,189	1,743,609	2,995,041	14,286,172	1,743,609	2,995,041	11,117,679	1,301,242	2,510,996	8,308,518	1,007,809	1,777,965
101-110 .	1,713,483	71,223	167,587	695,933	71,223	167,587	522,120	54,736	127,877	561,925	63,986	148,668
111-120 .	1,491,980	36,974	93,699	372,594	36,974	93,699	190,279	23,167	52,702	114,633	11,675	28,443
121-130 .	596,339	25,987	61,025	257,710	25,987	61,025	527,797	51,216	128,896	383,838	36,819	88,063
131-140 .	302,411	6,275	17,497	59,459	6,275	17,497	60,751	8,805	14,834	49,610	3,752	9,028
141-150 .	71,555	5,566	17,827	59,328	5,566	17,827	12,189	1,345	3,721	15,143	1,504	5,107
151-160 .	12,265	798	3,042	9,008	798	3,042	9,605	1,047	5,336	5,971	330	1,382
161-170 .	30,112	1,797	2,021	7,551	1,797	2,021	1,039	69	715	11,585	1,263	2,710
171-180 .	6,525	1,021	2,162	11,832	1,021	2,162	5,010	394	2,350	809	145	416
181-190 .	1,794	2,397	6,068	28,930	2,397	6,068	1,639	116	498	—	—	—
191-200 .	4,180	270	825	3,200	270	825	404	295	1,026	700	140	310
Above 200 .	976	571	331	2,200	571	331	2,447	614	1,579	—	—	—
Total	206,146,780	35,927,409	38,815,288	183,749,869	35,927,409	38,815,288	110,464,954	22,335,015	26,499,751	61,000,823	12,486,814	16,264,035

United States Imports for Consumption of Countable Cotton Cloths during the Year 1926

Bureau of Foreign and Domestic Commerce

AVERAGE YARN NUMBER	NOT WOVEN FIGURED					
	UNBLEACHED			BLEACHED		
	Square Yards	Pounds	Dollars	Square Yards	Pounds	Dollars
1 to 10 .	21,140	11,944	10,680	68,373	52,105	51,605
11 to 20 .	145,970	63,770	69,568	199,602	54,269	60,767
21 to 30 .	1,964,887	488,079	315,118	253,892	65,927	64,822
31 to 40 .	2,783,214	629,273	456,207	642,570	138,239	145,932
41 to 50 .	4,232,960	914,525	820,090	74,665	15,663	20,519
51 to 60 .	3,221,376	567,699	537,019	151,681	29,099	43,214
61 to 70 .	2,311,033	412,430	514,257	132,479	20,053	35,250
71 to 80 .	5,005,109	969,297	1,354,476	1,790,010	227,592	522,931
81 to 90 .	4,488,481	859,225	1,289,684	290,767	33,950	81,666
91 to 100 .	6,657,334	755,533	1,196,496	1,278,749	197,951	436,451
101 to 110 .	44,712	4,638	9,242	248,836	26,777	62,556
111 to 120 .	4,326	419	928	82,017	6,234	16,094
121 to 130 .	310,784	29,557	69,795	52,166	5,191	11,052
131 to 140 .	42,464	3,019	6,898	4,120	366	1,177
141 to 150 .	1,220	144	338	13,486	1,191	4,322
151 to 160 .	—	—	—	5,885	323	1,362
161 to 170 .	2,050	163	756	—	—	—
171 to 180 .	—	—	—	649	123	380
181 to 190 .	—	—	—	—	—	—
191 to 200 .	—	—	—	—	—	—
Above 200 .	—	—	—	—	—	—
Total .	32,037,060	5,709,715	6,651,552	5,289,947	875,053	1,560,100

United States Imports for Consumption of Countable Cotton Cloths during the Year 1926 — (Continued)

Bureau of Foreign and Domestic Commerce

AVERAGE YARN NUMBER	PRINTED, DYED, COLORED OR WOVEN FIGURED, INCLUDING VAT-DYED			WOVEN WITH EIGHT OR MORE HARNESSES OR WITH JACQUARD LAPPETS OR SWIVEL ATTACHMENTS		
	Square Yards	Pounds	Dollars	Square Yards	Pounds	Dollars
1 to 10 .	1,549,748	598,278	482,948	109,423	45,762	33,913
11 to 20 .	3,081,044	904,118	1,343,421	41,199	14,024	16,065
21 to 30 .	5,768,097	1,378,579	1,312,427	396,217	112,720	95,592
31 to 40 .	1,763,007	394,868	499,747	626,571	152,085	219,819
41 to 50 .	1,440,936	308,151	519,308	1,275,625	378,233	503,101
51 to 60 .	668,407	142,552	232,484	2,574,038	721,087	1,070,324
61 to 70 .	466,064	79,901	189,453	488,480	92,733	242,078
71 to 80 .	785,903	133,404	285,422	580,880	100,948	257,563
81 to 90 .	238,259	38,714	95,908	544,149	70,748	201,641
91 to 100 .	236,823	26,987	72,418	119,327	24,229	64,413
101 to 110 .	240,742	29,109	66,118	20,778	2,624	7,567
111 to 120 .	26,508	4,724	10,406	673	60	259
121 to 130 .	18,651	1,813	6,210	1,716	168	676
131 to 140 .	2,289	235	555	737	132	398
141 to 150 .	437	169	447	—	—	—
151 to 160 .	86	7	20	—	—	—
161 to 170 .	9,535	1,100	1,954	—	—	—
171 to 180 .	160	22	36	—	—	—
181 to 190 .	—	—	—	—	—	—
191 to 200 .	700	140	310	—	—	—
Above 200 .	—	—	—	—	—	—
Total .	16,297,396	4,042,871	5,119,592	6,779,813	1,715,553	2,713,409

United States Imports for Consumption of Countable Cotton Cloths during the Year 1926 — (Concluded)

Bureau of Foreign and Domestic Commerce

AVERAGE YARN NUMBER	WOVEN WITH DROP BOXES		
	Square Yards	Pounds	Dollars
1 to 10	9,199	3,773	3,420
11 to 20	46,970	17,983	22,333
21 to 30	248,266	58,496	48,340
31 to 40	80,983	20,326	38,829
41 to 50	29,536	6,124	15,155
51 to 60	16,937	4,153	11,768
61 to 70	24,730	6,332	10,285
71 to 80	89,217	18,025	43,186
81 to 90	26,007	4,135	13,608
91 to 100	16,285	3,109	8,187
101 to 110	6,857	838	3,185
111 to 120	1,109	238	756
121 to 130	521	90	330
131 to 140	—	—	—
141 to 150	—	—	—
151 to 160	—	—	—
161 to 170	—	—	—
171 to 180	—	—	—
181 to 190	—	—	—
191 to 200	—	—	—
Above 200	—	—	—
Total	596,607	143,622	219,382

British Exports of Cotton Cloth

Source: British Board of Trade

YEAR														Yards
1900	.	.	.	.	.	.	.	.	.	.	.	.	.	5,031,727,000
1901	.	.	.	.	.	.	.	.	.	.	.	.	.	5,364,600,000
1902	.	.	.	.	.	.	.	.	.	.	.	.	.	5,331,552,200
1903	.	.	.	.	.	.	.	.	.	.	.	.	.	5,157,315,500
1904	.	.	.	.	.	.	.	.	.	.	.	.	.	5,591,822,600
1905	.	.	.	.	.	.	.	.	.	.	.	.	.	6,196,783,900
1906	.	.	.	.	.	.	.	.	.	.	.	.	.	6,260,771,400
1907	.	.	.	.	.	.	.	.	.	.	.	.	.	6,297,707,900
1908	.	.	.	.	.	.	.	.	.	.	.	.	.	5,530,808,500
1909	.	.	.	.	.	.	.	.	.	.	.	.	.	5,722,158,100
1910	.	.	.	.	.	.	.	.	.	.	.	.	.	6,017,625,200
1911	.	.	.	.	.	.	.	.	.	.	.	.	.	6,653,672,300
1912	.	.	.	.	.	.	.	.	.	.	.	.	.	6,912,919,700
1913	.	.	.	.	.	.	.	.	.	.	.	.	.	7,075,252,000
1914	.	.	.	.	.	.	.	.	.	.	.	.	.	5,735,744,500
1915	.	.	.	.	.	.	.	.	.	.	.	.	.	4,748,452,900
1916	.	.	.	.	.	.	.	.	.	.	.	.	.	5,254,222,700
1917	.	.	.	.	.	.	.	.	.	.	.	.	.	4,978,237,900
1918	.	.	.	.	.	.	.	.	.	.	.	.	.	3,699,252,300
1919	.	.	.	.	.	.	.	.	.	.	.	.	.	3,523,660,000
1920 ¹	.	.	.	.	.	.	.	.	.	.	.	.	.	4,435,405,000
1921	.	.	.	.	.	.	.	.	.	.	.	.	.	2,902,288,900
1922	.	.	.	.	.	.	.	.	.	.	.	.	.	4,183,729,100
1923	.	.	.	.	.	.	.	.	.	.	.	.	.	4,140,231,900
1924	.	.	.	.	.	.	.	.	.	.	.	.	.	4,443,959,500
1925	.	.	.	.	.	.	.	.	.	.	.	.	.	4,435,617,800
1926	.	.	.	.	.	.	.	.	.	.	.	.	.	3,834,447,700

¹ Beginning in 1920, figures are for square yards.

Source: British Board of Trade

[illegible]

High and Low Prices of Middling Upland Spot Cotton in New York

[In cents per pound]

Source: New York Cotton Exchange

The years as given are the official cotton seasons. Through 1913-14 the seasons were from September 1 to August 31. Starting with 1914-15 they have been from August 1 to July 31.

SEASON	High	Low
1901-02	9 $\frac{7}{8}$	7 $\frac{13}{16}$
1902-03	13.50	8.30
1903-04	17.25	9.50
1904-05	11.65	6.85
1905-06	12.60	9.85
1906-07	13.50	9.60
1907-08	13.55	9.90
1908-09	13.15	9.00
1909-10	16.45	12.40
1910-11	19.75	12.30
1911-12	13.40	9.20
1912-13	13.40	10.75
1913-14	14.50	11.90
1914-15	10.60	7.25
1915-16	13.45	9.20
1916-17	27.65	13.35
1917-18	36.00	21.20
1918-19	38.20	25.00
1919-20	43.75	28.85
1920-21	40.00	10.85
1921-22	23.75	12.80
1922-23	31.30	20.35
1923-24	37.65	23.50
1924-25	31.50	23.41
1925-26	24.75	17.85

Highest and Lowest Prices paid for the Principal

DURING MONTH OF —	JANUARY DELIVERY		MARCH DELIVERY		MAY DELIVERY		JULY DELIVERY	
	High	Low	High	Low	High	Low	High	Low
<i>Season of 1923-24</i>								
August, 1923	24.98	20.73	25.05	20.80	25.02	20.77	24.70	22.05
September	29.12	24.30	29.10	24.43	29.17	24.43	28.40	24.13
October	30.48	26.52	30.48	26.55	30.48	26.59	29.93	26.05
November	37.05	29.60	37.11	29.65	37.23	29.60	36.50	29.30
December	36.56	32.45	36.78	32.90	36.90	33.00	35.95	32.30
January, 1924	35.25	32.15	35.50	32.37	35.65	32.60	34.58	31.52
February	27.85	25.20	34.67	28.15	34.97	28.52	33.60	28.02
March	25.37	22.85	29.40	26.44	29.70	26.45	28.97	25.85
April	25.04	23.02	25.06	23.19	31.95	27.95	30.45	26.90
May	26.25	23.00	26.37	23.25	32.30	29.25	30.02	27.55
June	26.50	23.83	26.65	23.97	26.25	24.04	30.50	27.75
July	28.98	22.98	29.06	23.17	29.15	23.30	35.40	28.50
Season	37.05	20.73	37.11	20.80	37.23	20.77	36.50	22.05
<i>Season of 1924-25</i>								
August, 1924	28.38	23.74	28.64	24.05	28.72	24.23	27.50	23.75
September	25.25	21.20	25.45	21.50	25.62	21.72	25.25	21.40
October	25.95	22.18	26.20	22.50	26.40	22.70	26.00	22.45
November	25.14	22.63	25.45	22.95	25.77	23.18	25.44	22.98
December	24.73	22.66	25.15	23.05	25.50	23.40	25.51	23.51
January, 1925	24.55	23.30	24.83	23.06	25.13	23.39	25.25	23.61
February	25.33	24.00	25.38	23.85	25.65	24.19	25.88	24.43
March	25.45	23.74	25.98	24.92	26.25	24.22	26.38	24.50
April	24.95	23.55	25.05	23.73	24.93	23.68	25.27	23.92
May	23.92	21.40	24.07	21.62	24.24	21.65	24.36	21.70
June	23.70	21.68	24.00	21.96	24.22	22.45	24.09	22.40
July	25.10	22.40	25.40	22.72	25.63	22.94	24.62	22.70
Season	28.38	21.20	28.64	21.50	28.72	21.65	27.50	21.40
<i>Season of 1925-26</i>								
August, 1925	23.95	21.57	24.20	21.88	24.48	22.18	24.31	22.54
September	24.40	21.65	24.68	21.95	25.00	22.25	24.72	22.23
October	22.64	18.11	22.90	18.34	23.10	18.50	22.77	18.13
November	20.47	18.29	20.53	18.58	20.36	18.67	19.90	18.26
December	20.20	18.30	19.94	18.62	19.48	18.36	19.14	18.00
January, 1926	20.35	19.80	20.59	19.68	20.00	19.28	19.30	18.74
February	17.94	17.16	20.50	19.25	19.92	18.70	19.20	18.08
March	17.60	16.85	19.46	18.83	19.09	18.27	18.64	17.65
April	17.35	16.60	17.40	16.72	19.00	18.51	18.44	17.95
May	17.75	16.80	17.91	17.01	19.14	18.54	18.69	18.09
June	17.59	15.97	17.74	16.16	17.75	16.30	18.46	17.45
July	18.03	15.90	18.21	16.08	18.36	16.25	18.82	17.50
Season	24.40	15.90	24.68	16.08	25.00	16.25	24.72	17.45

Options on the New York Cotton Exchange

AUGUST DELIVERY		SEPTEMBER DELIVERY		OCTOBER DELIVERY		DECEMBER DELIVERY		DURING MONTH OF —
High	Low	High	Low	High	Low	High	Low	
25.46	21.40	25.25	22.80	25.35	21.07	25.27	20.92	<i>Season of 1923-24</i>
—	—	30.30	24.63	30.30	24.68	29.90	24.61	August, 1923
28.35	26.97	27.60	25.00	31.30	27.45	31.05	27.12	September
34.50	27.90	31.00	27.90	30.00	26.27	37.70	30.28	October
33.60	29.90	30.65	27.82	29.64	27.00	37.15	33.20	November
32.00	29.50	29.50	28.35	28.83	27.64	28.40	27.20	December
30.40	27.30	28.70	26.60	28.87	25.80	28.25	25.45	January, 1924
27.89	25.35	26.50	24.20	26.17	23.45	25.74	23.15	February
28.20	25.50	26.88	24.95	26.01	23.87	25.40	23.30	March
28.05	26.00	27.70	24.50	27.22	23.84	26.38	23.28	April
28.15	26.10	26.75	25.38	27.50	24.70	26.75	24.02	May
30.30	25.85	29.50	24.60	29.97	23.74	29.10	23.11	June
								July
34.50	21.40	31.00	22.80	31.30	21.07	37.70	20.92	Season
								<i>Season of 1924-25</i>
28.50	25.80	28.59	24.27	29.23	24.05	28.53	23.75	August, 1924
—	—	24.55	23.60	26.25	21.50	25.20	21.17	September
23.25	22.45	22.67	21.80	26.68	22.61	25.90	22.09	October
24.78	23.00	24.00	22.20	24.20	21.50	24.95	22.55	November
25.00	24.10	25.05	22.95	24.85	22.52	23.80	22.52	December
24.10	23.97	24.32	24.32	24.39	23.40	24.31	23.36	January, 1925
25.56	24.60	25.24	25.08	25.51	24.17	25.55	24.20	February
25.78	25.18	25.68	25.13	25.71	23.92	25.72	23.93	March
25.07	24.03	25.20	24.10	25.15	23.65	25.25	23.82	April
23.60	21.75	24.20	21.75	24.04	21.55	24.24	21.72	May
24.12	22.00	23.83	22.20	24.17	21.87	24.25	22.07	June
25.04	22.78	24.86	23.00	25.55	22.81	25.70	22.95	July
28.50	21.75	28.59	21.75	29.23	21.50	28.53	21.17	Season
								<i>Season of 1925-26</i>
23.25	23.00	23.50	22.42	24.45	21.85	24.50	22.10	August, 1925
—	—	24.05	24.05	24.75	21.95	25.12	22.20	September
21.05	18.50	22.00	18.75	23.30	21.20	23.37	18.75	October
19.45	18.52	19.45	18.45	19.70	18.05	21.42	18.96	November
18.38	18.00	18.53	17.80	18.55	17.64	20.58	19.36	December
—	—	18.50	18.50	18.53	18.02	18.50	17.77	January, 1926
18.78	18.60	18.45	17.86	18.37	17.50	18.03	17.20	February
18.30	17.33	17.62	17.48	18.02	17.15	17.70	16.83	March
17.97	17.61	17.54	17.00	17.78	17.00	17.45	16.66	April
18.19	17.80	17.63	17.28	17.80	17.16	17.79	16.90	May
17.40	16.58	17.50	16.20	17.70	16.14	17.65	16.16	June
18.35	16.90	17.88	16.72	18.03	16.02	17.94	16.00	July
23.25	16.58	24.05	16.20	24.75	16.02	25.12	16.00	Season

Comparative Prices of Foreign Cotton

[January 1 quotations at Liverpool]

Pence per pound

	1927	1926	1925	1924	1923
American, middling . . .	6.89	9.81	13.57	21.06	15.40
Egyptian:					
FGF Sak	13.95	17.00	30.15	24.50	17.80
FGF Upper	9.90	14.30	19.80	22.60	—
FGF Brown	10.40	15.40	22.10	23.10	—
Indian:					
Fine Broach	6.30	8.85	12.45	18.00	13.00
Fine Oomra, No. 1 . . .	6.25	8.35	12.40	16.10	11.25
Fine Bengal	5.50	7.75	11.90	14.70	9.20
Fine Surtee	6.80	9.30	13.20	18.60	—
South American:					
Fair Peruvian	7.00	14.00	14.82	21.46	15.05
Fair Parahyba	7.19	10.31	14.82	20.83	—
Fair Sao Paulo	6.19	9.31	13.82	20.38	—

Monthly High and Low Prices of Middling Upland Spot Cotton at New York

Source: New York Cotton Exchange

	1918-19		1919-20		1920-21		1921-22		1922-23		1923-24		1924-25		1925-26	
	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
August . . .	37.30	29.70	35.70	30.55	40.00	31.75	16.60	12.80	23.20	20.35	26.35	23.50	31.50	25.90	24.65	22.20
September . .	38.20	32.65	32.85	28.85	32.25	25.50	21.55	17.50	22.25	20.35	30.75	25.95	26.10	22.15	24.75	22.35
October . . .	34.45	30.20	38.55	31.10	25.25	20.50	21.35	18.50	24.35	20.45	31.80	28.20	26.90	22.50	23.55	19.40
November . .	31.60	27.75	40.20	38.40	22.50	15.50	19.00	16.70	26.80	24.45	37.60	31.25	24.85	23.60	21.65	19.90
December . .	33.00	27.50	40.25	38.00	16.70	14.50	19.45	17.50	26.80	24.55	37.65	33.70	24.90	23.15	21.10	19.15
January . . .	32.40	25.60	39.75	38.75	18.25	14.30	19.05	16.45	28.75	26.45	35.70	32.90	24.30	23.45	21.25	20.40
February . .	27.85	25.00	40.10	37.55	14.20	11.25	18.85	16.85	30.15	27.40	34.85	29.00	25.35	24.25	21.00	19.75
March . . .	28.70	26.10	43.25	40.25	12.55	11.20	18.70	17.80	31.30	28.75	29.25	26.80	26.05	24.60	19.60	19.05
April . . .	29.65	28.30	43.25	41.25	12.45	11.65	18.35	17.75	30.05	27.30	31.65	28.50	24.95	24.00	19.45	18.75
May . . .	34.00	28.75	43.00	40.00	13.15	12.45	21.80	18.95	28.90	25.30	32.85	30.05	24.40	22.20	19.35	18.70
June . . .	34.95	30.35	40.00	37.75	12.95	10.85	23.30	20.75	29.90	27.25	32.75	28.75	24.80	23.35	18.85	18.00
July . . .	36.60	33.40	43.75	39.25	12.85	11.95	23.75	21.45	28.05	22.45	35.30	29.60	25.90	23.80	19.35	17.85
Season . . .	38.20	25.00	43.75	28.85	40.00	10.85	23.75	12.80	31.30	20.35	37.65	23.50	31.50	22.15	24.75	17.85

Prices of Extra Staple Cotton, 1926

Source: Daily News Record

	AMERICAN STAPLES ¹				EGYPTIANS ¹			Pima ² No. 2	Peru- vian ¹ Mitaffi	Tanguis ² Strict Middling	New York Middling Spots
	1½-Inch	1¾-Inch	1½-Inch	1¾-Inch	Uppers Medium	Saks'— Medium	Saks'— High Grade				
Jan. 7	27-28	28-29	34-35½	36	27-28½	35-36½	37	40	35-36	35	20.65
Jan. 11	28-28½	29-30	33-35½	36½	27-28½	37-38	39	42	35½-37	35	20.55
Jan. 21	27½-28½	28½-29½	34-35½	36½	27-28½	37-38½	39	41	35-36½	35½	20.90
Jan. 26	27½-28½	30-31½	36-37	39	28-29	38-39½	41	41	35-37	32½	20.85
Jan. 30	27½-29	30-31	36-37	39	27½-29	38-39½	41	41	33½-35	32½	20.90
Feb. 3	28-29½	30½-31½	36-37	38	27½-28	37½-38½	40	41	33-34	32½	20.70
Feb. 11	28-29	30-32	36-38	38	26½-27½	36½-38	39	41	31-33	32½	20.80
Feb. 16	27½-28½	30½-31½	37-38	38	27½-28½	37-38	38	41	31½-33	32½	20.50
Feb. 23	27-27½	29-30	35½-36½	38	26½-28	36-37	38	40	31-33	32½	20.60
Feb. 27	26½-27	28½-29½	34½-36	37½	26½-27½	36-37	38	40	31½-33	32½	19.75
Mar. 4	24½-25½	28-29	34½-36	37	25-26	35-36	37	40	31½-32½	32½	19.55
Mar. 11	25-26½	28-29½	34-35	36	25-26	34-35½	38	40	31½-32½	32½	19.25
Mar. 18	25½-26½	27½-28½	32½-33½	35	23½-24½	33-35	37	38	32-35	32½	19.30
Mar. 24	25-25½	27-28	32-33	34	23-24	32-33	36	39	31-32½	32	19.05
Mar. 31	25½-26½	27½-29	30-32½	34	23½-25	33-35	36	39	29-31	32	19.25
Apr. 6	25-25½	27½-29	32-33	33½	23-24	33-34	35	40	28-30	32	19.20
Apr. 12	25-26	28-29	32-33	34	24-25	33-34	36	39	27½-29	32	19.45
Apr. 20	24½-25½	28-29½	32½-33½	33½	24-25½	34-35½	36	39	26½-28	30	19.05
Apr. 26	24-25	27-28½	32-33	33½	24-25	34-35	36	38	26-27½	30	18.75
Apr. 30	24-25	27-28	32-33	33½	24-25½	34-35	36	37	24½-26	30	18.90
May 7	24-25	27-28	32-33½	33½	25-25½	34-35	36	35	24½-25½	30	19.20
May 11	24-25	27-28	32-33	32½	24½-25½	34-34½	36	35	24-25½	30	19.10
May 17	24½-25½	27-28	32-33	33	24½-25	34½-35	36	35	24-25	30	18.70
May 22	24-25	26½-28	32-33	33	24-25	34-35	36	35	24-24½	30	18.90
May 28	24½-25½	27-28	32-33	33	24½-25½	34½-35	36	35	24-24½	28½	18.90
June 1	24½-25½	26½-27½	32-33	33	25-26	34½-35	36	35	24-25	27½	18.95
June 7	25-26	26½-27½	32-33	33	25-25½	35-35½	36½	36	24½-25½	27	18.75
June 14	24½-25½	26-27	31½-32½	32½	24½-25½	35-35½	36	37	24-25	26½	18.15
June 21	23½-25	25½-26½	31-32	32	24½-25	34½-35	36	37	24-25	26½	18.80
June 28	23½-24½	25-26	30½-31	32	24½-25	34½-35	36	37	24-25	26½	18.70

¹ New Bedford basis.² New England basis.³ New York basis.

Prices of Extra Staple Cotton, 1926 — (Concluded)

Source: Daily News Record

	AMERICAN STAPLES ¹				EGYPTIANS ¹			Pima ² No. 2	Peru- vian ¹ Mitafi	Tanguis ³ Strict Middling	New York Middling Spots
	1 $\frac{1}{8}$ -Inch	1 $\frac{1}{16}$ -Inch	1 $\frac{1}{2}$ -Inch	1 $\frac{1}{16}$ -Inch	Uppers Medium	Saks'— Medium	Saks'— High Grade				
July 2	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	24 $\frac{1}{2}$ -25 $\frac{1}{2}$	31 $\frac{1}{2}$ -32 $\frac{1}{2}$	31 $\frac{1}{2}$	24 $\frac{1}{2}$ -25	35-35 $\frac{1}{2}$	36	37	24-25	26 $\frac{1}{2}$	18 25
July 10	24-25	26-27 $\frac{1}{2}$	30 $\frac{1}{2}$ -32	32	24-25	32-34	35 $\frac{1}{2}$	36	24-25	26-26 $\frac{1}{2}$	18 10
July 17	23 $\frac{1}{2}$ -24	25 $\frac{1}{2}$ -27 $\frac{1}{2}$	31 $\frac{1}{2}$ -32 $\frac{1}{2}$	33	24-24 $\frac{1}{2}$	32 $\frac{1}{2}$ -34	35 $\frac{1}{2}$	36	24-25	26	18 55
July 23	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	26-26 $\frac{1}{2}$	30-32	32 $\frac{1}{2}$	24-24 $\frac{1}{2}$	33-34	35	36	24-24 $\frac{1}{2}$	26	18 85
July 31	23-23 $\frac{1}{2}$	25 $\frac{1}{2}$ -26 $\frac{1}{2}$	30-32	32 $\frac{1}{2}$	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	32 $\frac{1}{2}$ -33 $\frac{1}{2}$	35	36	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	26	19 05
Aug. 7	23 $\frac{1}{2}$ -24	25 $\frac{1}{2}$ -26	32-32 $\frac{1}{2}$	32 $\frac{1}{2}$	24-25	33 $\frac{1}{2}$ -35	36	34	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	25	18 75
Aug. 14	23-24	25 $\frac{1}{2}$ -26 $\frac{1}{2}$	30 $\frac{1}{2}$ -32 $\frac{1}{2}$	32	23-24	32 $\frac{1}{2}$ -33 $\frac{1}{2}$	36	34 $\frac{1}{2}$	23 $\frac{1}{2}$ -24	24 $\frac{1}{2}$	18 00
Aug. 18	23 $\frac{1}{2}$ -25 $\frac{1}{2}$	27-28 $\frac{1}{2}$	31-32	32 $\frac{1}{2}$	23 $\frac{1}{2}$ -24	33-34	35 $\frac{1}{2}$	34 $\frac{1}{2}$	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	24	18 30
Aug. 23	24 $\frac{1}{2}$ -25 $\frac{1}{2}$	27-28 $\frac{1}{2}$	31-32 $\frac{1}{2}$	32 $\frac{1}{2}$	23-24 $\frac{1}{2}$	32-35	35	35	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	24	19 00
Aug. 31	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	27-28 $\frac{1}{2}$	31-32	32 $\frac{1}{2}$	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	32 $\frac{1}{2}$ -34	35	36	23-24	24	19 05
Sept. 3	23 $\frac{1}{2}$ -24	27-28 $\frac{1}{2}$	31-32	32	23-24	33-34 $\frac{1}{2}$	35 $\frac{1}{2}$	36	23-24	24	18 70
Sept. 10	24 $\frac{1}{2}$ -25 $\frac{1}{2}$	28-28 $\frac{1}{2}$	31-32	32 $\frac{1}{2}$	26-27	37-38	40	40	24 $\frac{1}{2}$ -25 $\frac{1}{2}$	25	18 50
Sept. 18	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	25 $\frac{1}{2}$ -27	29 $\frac{1}{2}$ -31	31	26-27	37 $\frac{1}{2}$ -38 $\frac{1}{2}$	39	40	24-25	24 $\frac{1}{2}$	16 85
Sept. 24	22-23	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	28-28 $\frac{1}{2}$	29 $\frac{1}{2}$	25 $\frac{1}{2}$ -26 $\frac{1}{2}$	37 $\frac{1}{2}$ -38 $\frac{1}{2}$	39 $\frac{1}{2}$	39	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	24 $\frac{1}{2}$	15 15
Sept. 30	20-21	22 $\frac{1}{2}$ -23 $\frac{1}{2}$	26-27 $\frac{1}{2}$	29	23 $\frac{1}{2}$ -24 $\frac{1}{2}$	33-35	36	40	24-25	24	14 90
Oct. 6	18 $\frac{1}{2}$ -19 $\frac{1}{2}$	21-23	25 $\frac{1}{2}$ -26 $\frac{1}{2}$	28	21-22	31-32	34	39	22-24	22	13 65
Oct. 14	17 $\frac{1}{2}$ -18	19-19 $\frac{1}{2}$	24-26 $\frac{1}{2}$	28	20 $\frac{1}{2}$ -22	30-33	35	37 $\frac{1}{2}$	22-23	22	13 70
Oct. 19	17 $\frac{1}{2}$ -18	19 $\frac{1}{2}$ -20 $\frac{1}{2}$	24-26	28	21-22	31-32	34	37 $\frac{1}{2}$	22-23	21	13 00
Oct. 23	17-18	19-20	23 $\frac{1}{2}$ -25 $\frac{1}{2}$	28	21-22	31-32	34	36 $\frac{1}{2}$	22-23	21	12 60
Oct. 27	17 $\frac{1}{2}$ -18 $\frac{1}{2}$	19 $\frac{1}{2}$ -20 $\frac{1}{2}$	24 $\frac{1}{2}$ -26	28	20 $\frac{1}{2}$ -22	31-32 $\frac{1}{2}$	34	36	22-23	20 $\frac{1}{2}$	12 45
Nov. 3	17 $\frac{1}{2}$ -18 $\frac{1}{2}$	19 $\frac{1}{2}$ -21	24	28	20-21	29-30	32	36	22-23	20 $\frac{1}{2}$	12 75
Nov. 10	17-18 $\frac{1}{2}$	19-20 $\frac{1}{2}$	24	28	19 $\frac{1}{2}$ -21	28-29 $\frac{1}{2}$	32	36	22-23	19 $\frac{3}{4}$	12 70
Nov. 17	17 $\frac{1}{2}$ -18 $\frac{1}{2}$	20-21 $\frac{1}{2}$	25	28	19 $\frac{1}{2}$ -20 $\frac{1}{2}$	28 $\frac{1}{2}$ -30	32	36	22-23	19	13 10
Nov. 23	18-19	20 $\frac{1}{2}$ -22	25	28	19-20 $\frac{1}{2}$	28 $\frac{1}{2}$ -29 $\frac{1}{2}$	32	36	22-23	19	12 85
Nov. 30	17 $\frac{1}{2}$ -18 $\frac{1}{2}$	20-21	25	28	19-20	28 $\frac{1}{2}$ -30	31 $\frac{1}{2}$	36	22-23	24	12 80
Dec. 4	17-17 $\frac{1}{2}$	19-19 $\frac{1}{2}$	26	28	18-19	27-28	31	35	22-23	19	12 35
Dec. 11	17-17 $\frac{1}{2}$	19-20	25	28	18-19	25 $\frac{1}{2}$ -26 $\frac{1}{2}$	27	35	22-23	18 $\frac{1}{2}$	12 40
Dec. 18	17 $\frac{1}{2}$ -18 $\frac{1}{2}$	19 $\frac{1}{2}$ -20 $\frac{1}{2}$	27	28	18-19	27-28	30	35	22-23	18 $\frac{1}{2}$	12 70
Dec. 24	18-19	20 $\frac{1}{2}$ -22	28	28	19-20 $\frac{1}{2}$	27 $\frac{1}{2}$ -28 $\frac{1}{2}$	30 $\frac{1}{2}$	35	22-23	18 $\frac{1}{2}$	12 95
Dec. 31	17 $\frac{1}{2}$ -18 $\frac{1}{2}$	20 $\frac{1}{2}$ -21 $\frac{1}{2}$	25	28	18-19 $\frac{1}{2}$	27-28 $\frac{1}{2}$	29	35	22-23	18 $\frac{1}{2}$	12 95

¹ New Bedford basis.

² New England basis.

³ New York basis.

Relative Wholesale Prices of Cotton Yarn and Cotton Fabrics in Comparison with Other Groups of Commodities, from 1917 to 1927 by Quarters

[Prices of 1913, represented by 100, taken as basis]

Source: United States Bureau of Labor Statistics

	Cotton Yarn 10-1 Carded	Pepperell Brown Sheeting 4-4	Lonsdale Bleached Muslin 4-4	Farm Prod- ucts	Foods	Fuel and Light- ing	Metals and Metal Prod- ucts	Build- ing Ma- terials	Chem- icals and Drugs	House Fur- nish- ing Goods	All Com- modities
Average of 1913	100	100	100	100	100	100	100	100	100	100	100
January, 1917 .	153.6	150.1	133.4	152	140	171	198	138	173	118	153
April, 1917 .	162.7	163.7	136.5	184	164	164	230	155	186	121	173
July, 1917 .	203.3	191.0	194.1	196	169	176	292	168	205	129	188
October, 1917 .	189.8	197.8	206.2	207	180	153	207	156	231	130	183
January, 1918 .	242.3	232.6	218.3	211	182	164	183	161	223	137	184
April, 1918 .	278.4	327.4	279.0	213	181	166	184	169	228	144	190
July, 1918 .	289.7	- ¹	303.2	217	185	175	189	177	209	159	196
October, 1918 .	275.6	274.6	303.2	225	198	176	192	177	211	164	202
January, 1919 .	201.3	260.6	258.5	224	203	178	175	176	181	167	199
April, 1919 .	188.5	204.6	218.1	230	205	177	153	169	160	167	199
July, 1919 .	267.1	299.0	338.5	241	210	181	160	209	167	183	212
October, 1919 .	276.1	313.0	363.9	227	205	189	162	229	173	194	211
January, 1920 .	328.6	389.1	399.9	247	231	194	175	274	189	239	233
April, 1920 .	351.7	- ¹	412.4	243	238	231	203	300	210	242	245
July, 1920 .	316.7	- ¹	412.4	233	238	259	202	269	212	275	241
October, 1920 .	196.3	274.2	296.2	187	201	280	191	240	198	271	211
January, 1921 .	130.1	165.6	190.8	143	162	247	153	192	153	217	170
April, 1921 .	107.9	136.4	188.0	117	144	205	138	167	135	216	148
July, 1921 .	108.9	136.4	169.8	119	141	186	124	160	129	180	141
October, 1921 .	173.2	184.2	200.1	124	140	189	116	159	131	180	142
January, 1922 .	147.3	160.3	181.9	122	131	195	112	157	124	178	138
April, 1922 .	141.7	153.5	169.8	129	137	194	113	156	124	175	143
July, 1922 .	170.7	174.8	182.3	135	142	254	121	170	121	173	155
October, 1922 .	176.5	183.9	194.1	138	140	226	135	183	124	176	154
January, 1923 .	196.7	199.3	202.7	143	141	218	133	188	131	184	156
April, 1923 .	202.4	211.5	212.2	141	144	200	154	204	136	187	159
July, 1923 .	182.5	197.8	194.1	135	141	183	145	190	128	187	151
October, 1923 .	208.1	204.6	200.1	144	148	172	142	182	129	183	153
January, 1924 .	233.4	225.1	218.3	144	143	169	142	181	132	176	151
April, 1924 .	202.3	211.5	206.2	139	137	179	139	182	128	175	148
July, 1924 .	197.8	211.5	201.7	134	136	175	132	173	127	172	147
October, 1924 .	187.7	204.6	206.2	143	148	168	128	171	131	171	152
January, 1925 .	183.6	201.2	206.2	163	160	168	136	179	135	173	160
April, 1925 .	173.3	201.2	209.3	153	154	169	129	174	134	171	156
July, 1925 .	174.3	177.4	180.3	162	157	172	126	170	133	169	160
October, 1925 .	179.4	180.8	200.1	155	158	172	128	174	135	168	158
January, 1926 .	164.0	180.8	194.1	152	155	177	129	178	133	165	156
April, 1926 .	153.2	180.8	194.1	145	153	174	127	173	130	163	151
July, 1926 .	142.2	163.7	183.3	141	154	177	126	172	131	161	151
October, 1926 .	133.9	158.3	185.0	139	152	184	127	172	129	160	150

¹ No quotation.

Actual Prices of Cotton in Comparison with Other Basic Raw Materials, from 1917 to 1927 by Quarters

Source: United States Bureau of Labor Statistics

	Cotton Middling Upland (per Pound)	Wool $\frac{1}{2}$ - Grades Scoured (per Pound)	Wheat No. 1 Northern (per Bushel)	Corn Contract Grade (per Bushel)	Cattle Good to Choice Steers (per 100 Pounds)	Copper Electro- lytic (per Pound)	Iron Bessemer, Pig (per 2,240 Pounds)	Coal, Bitu- minous (per 2,000 Pounds)
Average of 1913	\$0.128	\$0.471	\$0.874	\$0.625	\$8.507	\$0.157	\$17.133	\$2.200
January, 1917 .	.176	.872	1.917	.982	10.531	.295	35.950	4.500
April, 1917 .	.208	1.000	2.382	1.397	12.310	.340	42.200	5.000
July, 1917 .	.261	1.200	2.582	2.044	12.360	.318	57.450	5.000
October, 1917 .	.281	1.382	2.170	1.968	14.675	.235	37.250	3.300
January, 1918 .	.324	1.455	2.170	1.775	13.113	.235	37.250	3.600
April, 1918 .	.317	1.455	2.170	1.665	15.175	.235	36.150	3.600
July, 1918 .	.312	1.437	2.170	1.665	17.625	.255	36.600	4.100
October, 1918 .	.325	1.437	2.216	1.385	17.856	.260	36.600	4.100
January, 1919 .	.296	1.200	2.223	1.401	18.413	.204	33.600	4.100
April, 1919 .	.290	1.091	2.589	1.609	18.325	.153	29.350	4.000
July, 1919 .	.351	1.236	2.680	1.920	16.869	.215	29.350	4.000
October, 1919 .	.355	1.236	2.625	1.400	17.594	.217	29.350	4.500
January, 1920 .	.393	1.236	2.931	1.503	15.938	.193	40.400	4.100
April, 1920 .	.424	1.200	3.006	1.706	13.906	.192	43.650	5.500
July, 1920 .	.410	.909	2.831	1.549	15.381	.190	47.150	6.000
October, 1920 .	.226	.727	2.106	.888	14.688	.168	49.210	7.100
January, 1921 .	.167	.546	1.788	.682	9.840	.129	33.960	5.600
April, 1921 .	.121	.527	1.406	.578	8.719	.125	26.960	4.850
July, 1921 .	.124	.491	1.438	.614	8.406	.125	22.835	4.600
October, 1921 .	.197	.473	1.319	.470	8.875	.127	21.960	4.100
January, 1922 .	.179	.582	1.300	.484	8.150	.136	21.560	3.750
April, 1922 .	.181	.727	1.563	.588	8.406	.126	22.585	3.600
July, 1922 .	.223	.818	1.423	.643	9.700	.137	26.770	5.390
October, 1922 .	.228	.836	1.132	.691	10.245	.137	35.170	6.390
January, 1923 .	.275	.982	1.221	.711	9.780	.146	29.270	5.640
April, 1923 .	.290	1.018	1.279	.793	9.015	.169	32.770	4.890
July, 1923 .	.259	1.000	1.084	.857	10.590	.144	28.464	3.890
October, 1923 .	.301	.946	1.172	1.011	10.450	.126	26.960	3.890
January, 1924 .	.347	.982	1.151	.759	9.469	.126	24.760	3.640
April, 1924 .	.299	.964	1.131	.799	10.775	.133	24.560	3.390
July, 1924 .	.291	.873	1.296	1.055	9.563	.124	21.960	3.390
October, 1924 .	.245	1.055	1.434	1.105	9.500	.130	21.760	3.390
January, 1925 .	.240	.700	1.819	1.271	10.594	.148	24.635	3.390
April, 1925 .	.243	.550	1.549	1.082	9.988	.133	22.885	3.390
July, 1925 .	.243	.520	1.591	1.065	11.563	.140	20.760	3.390
October, 1925 .	.211	.530	1.549	.828	11.903	.143	21.385	3.390
January, 1926 .	.208	.530	1.728	.804	9.875	.138	22.760	3.490
April, 1926 .	.194	.450	1.610	.728	9.125	.137	21.385	3.390
July, 1926 .	.182	.430	1.693	.804	9.419	.139	20.385	3.390
October, 1926 .	.128	.450	1.433	.777	9.888	.139	20.885	- ¹

¹ Quotations not received.

Relative Prices of Cotton in Comparison with Other Basic Raw Materials, from 1917 to 1927 by Quarters

[Prices of 1913, represented by 100, taken as basis]

Source: United States Bureau of Labor Statistics

	Cotton Middling (Upland)	Wool $\frac{1}{2}$ - $\frac{3}{4}$ Grades Scoured	Wheat No. 1 Northern	Corn Contract Grade	Cattle Good to Choice Steers	Copper Electro- lytic	Iron Bessemer, Pig	Coal, Bitu- minous
Average of 1913	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
January, 1917	137.8	182.3	219.4	157.1	123.8	187.5	209.8	204.5
April, 1917	159.0	208.8	272.6	223.5	144.7	216.1	246.3	227.3
July, 1917	203.9	254.8	295.4	327.0	147.6	202.5	335.3	227.3
October, 1917	219.9	288.8	248.4	314.8	172.5	149.4	217.4	150.0
January, 1918	253.1	308.9	248.3	284.0	154.1	149.7	217.4	162.7
April, 1918	247.7	308.9	248.3	266.4	178.4	149.7	211.0	162.7
July, 1918	243.8	305.1	248.3	266.4	207.2	162.4	213.6	186.4
October, 1918	253.9	305.1	253.5	221.6	209.9	165.6	213.6	186.4
January, 1919	231.3	254.8	254.3	224.2	216.4	129.9	196.1	186.4
April, 1919	226.6	231.6	296.2	257.4	215.4	97.5	171.3	181.8
July, 1919	274.2	262.4	306.6	307.2	198.3	136.9	171.3	181.8
October, 1919	277.3	262.4	300.3	224.0	206.8	138.2	171.3	204.5
January, 1920	307.1	258.4	335.6	240.4	187.3	122.8	235.8	186.4
April, 1920	331.4	250.6	344.2	273.0	163.5	122.0	254.8	250.0
July, 1920	320.6	189.9	324.1	247.8	180.8	120.8	275.2	272.7
October, 1920	176.8	151.9	241.1	142.0	172.7	106.5	287.2	322.7
January, 1921	130.6	114.0	204.7	109.1	115.7	81.9	198.2	254.5
April, 1921	94.9	110.1	160.9	92.5	102.5	79.3	157.4	220.5
July, 1921	96.6	102.6	164.7	98.2	98.8	79.7	133.3	209.1
October, 1921	154.0	98.7	151.0	75.1	104.3	80.6	128.2	186.4
January, 1922	140.0	121.6	148.8	77.4	95.8	86.1	125.8	170.5
April, 1922	141.5	151.9	178.9	94.1	98.8	80.3	131.8	163.6
July, 1922	174.6	170.9	162.8	102.8	114.0	87.2	156.3	245.0
October, 1922	178.0	174.8	129.6	110.6	120.4	87.0	205.3	290.5
January, 1923	214.7	205.2	139.8	113.7	115.0	92.5	170.8	256.4
April, 1923	226.3	212.7	146.4	126.8	106.0	107.5	191.3	222.3
July, 1923	202.3	208.8	124.1	137.1	124.5	91.7	166.1	176.8
October, 1923	234.9	197.6	134.2	161.7	122.8	80.3	157.4	176.8
January, 1924	271.4	205.2	131.7	121.3	111.3	80.1	144.5	165.5
April, 1924	233.6	201.3	129.5	126.4	126.7	84.2	143.4	154.1
July, 1924	229.1	182.3	148.4	168.7	112.4	78.5	128.2	154.1
October, 1924	191.6	220.2	164.2	176.8	111.7	82.6	127.0	154.1
January, 1925	188.0	266.0	208.3	203.3	109.5	94.0	143.8	154.1
April, 1925	191.6	218.2	168.7	173.1	117.4	84.8	133.6	154.1
July, 1925	190.9	206.3	181.3	170.3	135.9	88.8	121.2	154.1
October, 1925	165.8	210.2	169.2	132.4	140.0	91.2	124.8	154.1
January, 1926	158.6	201.4	197.8	128.7	116.1	87.8	132.8	158.6
April, 1926	142.4	178.5	184.3	116.4	107.3	87.2	124.8	154.1
July, 1926	143.6	170.6	193.8	128.6	110.7	88.4	119.0	154.1
October, 1926	100.6	178.5	164.0	124.2	116.2	88.3	121.9	- ¹

¹ Quotations not received.

Prices of Staple Cotton Yarns in the United States on First of Each Quarter during Years 1915 to 1926, inclusive

[Prices are per pound]

Source: Daily News Record and Textile World

DATE	10s Single Southern Carded Frame Cones	20/2 Southern Carded Skeins	60/2 Eastern Combed Peeler Warps
January 1, 1915 . . .	14 to 15	16½ to 17½	44 to 49
April 1, 1915 . . .	15 to 16½	16½ to 18	48 to 53
July 1, 1915 . . .	15½ to 17½	17 to 19	51 to 56
October 1, 1915 . . .	18 to 19	21 to 22	56 to 59
January 1, 1916 . . .	20 to 22	25 to 27	61 to 66
April 1, 1916 . . .	20½ to 22	26 to 27	66 to 71
July 1, 1916 . . .	23¼ to 24	28 to 31	76 to 81
October 1, 1916 . . .	29 to 31	33½ to 35	97 to 1 02
January 1, 1917 . . .	35 to 37	39 to 41	1 10 to 1 15
April 1, 1917 . . .	34 to 36	36½ to 38	93 to 95
July 1, 1917 . . .	44 to 46	43 to 46	1 10 to 1 15
October 1, 1917 . . .	41 to 42	42 to 45	1 10 to 1 15
January 1, 1918 . . .	50 to 52	55 to 58	1 20 to 1 25
April 1, 1918 . . .	60 to 61	67 to 68	1 20 to 1 25
July 1, 1918 . . .	61 to 63	71 to 73	1 20 to 1 25
October 1, 1918 . . .	61 to 63	73 to 75	1 20 to 1 25
January 1, 1919 . . .	50 to 53	62 to 65	1 20 to 1 30
April 1, 1919 . . .	41 to 43	46 to 50	1 05 to 1 10
July 1, 1919 . . .	55 to 57	67 to 69	1 55 to 1 60
October 1, 1919 . . .	60 to 63	70 to 72½	1 90 to 1 95
January 1, 1920 . . .	69 to 73	84 to 85	3 50
April 1, 1920 . . .	74 to 77	90 to 92	3 75
July 1, 1920 . . .	70 to 75	80 to 85	2 50
October 1, 1920 . . .	42 to 45	50 to 55	1 50
January 1, 1921 . . .	28 to 29	31 to 32	85
April 1, 1921 . . .	21 to 22	23 to 24	80
July 1, 1921 . . .	21 to 22	22½ to 23	85 to 95
October 1, 1921 . . .	35 to 37	36½ to 38	1 10
January 1, 1922 . . .	30½ to 31	33½ to 34	1 10
April 1, 1922 . . .	28½	31½	1 05
July 1, 1922 . . .	35	39	1 05
October 1, 1922 . . .	34 to 34½	38 to 38½	1 00
January 1, 1923 . . .	41½ to 42	49 to 49½	1 10 to 1 18
April 1, 1923 . . .	45½	54	1 05 to 1 15
July 1, 1923 . . .	39 to 39½	44½ to 45	95 to 1 05
October 1, 1923 . . .	44	49½ to 50	95 to 1 00
January 1, 1924 . . .	50	55	1 05 to 1 15
April 1, 1924 . . .	49½	44 to 44½	78 to 82
July 1, 1924 . . .	49	43½	74 to 78
October 1, 1924 . . .	49	44 to 44½	74 to 77
January 1, 1925 . . .	39	44½	77 to 80
April 1, 1925 . . .	39	43	76 to 79
July 1, 1925 . . .	36	38 to 38½	70 to 74
January 1, 1926 . . .	33½ to 34	36	88 to 90 ¹
April 1, 1926 . . .	30	33½	77 to 78
July 1, 1926 . . .	27½	30½	77 to 80
October 1, 1926 . . .	26	29½	67½ to 70
January 1, 1927 . . .	23½	26½ to 27	58 to 61

¹ 1926 figures are for 60/2 Southern combed, as Eastern combed were not reported.

Prices of Carded Warp Yarns and Spot Cotton in the United States, Week by Week, during the Year 1926

[Prices are per pound]

Compiled by Frederick B. Macy & Co., New Bedford

DATE		CARDED SINGLE WARPS				CARDED TWO-PLY WARPS				Mid-up Spot Cotton, New York (in Cents)	Staple Cotton ¹ 1 ³ / ₈ In- ches (in Cents) ²
		8s	20s	30s	40s	8s	20s	30s	40s		
January	4	\$0 35	\$0 40	\$0 45	\$0 55	\$0 36	\$0 42	\$0 47	\$0 57	20.85	27 ¹ / ₂
	9	35	40	45	55	36	42	47	57	20.65	28 ¹ / ₄
	16	35	40	45	55	35	42	47	57	21.20	28
	23	34	40	45	55	35	42	48	58	21.00	28
February	30	34	40	45	55	35	42	48	58	20.90	28 ¹ / ₄
	6	34	40	45	55	35	42	48	58	20.85	31
	13	34	40	45	54	35	42	48	56	20.75	31
	20	34	40	45	54	35	42	47	56	20.75	29 ¹ / ₂
March	27	34	39	45	54	35	42	47	56	19.75	28 ³ / ₄
	6	34	39	45	54	34	42	47	56	19.55	29
	13	33	39	44	54	34	42	46	56	19.35	28
	20	33	39	44	54	34	42	46	56	19.10	27 ¹ / ₂
April	27	32	39	43	54	33	42	46	56	19.25	27 ³ / ₄
	5	32	39	43	54	33	42	46	56	19.20	28 ¹ / ₄
	10	32	39	43	53	33	42	46	56	19.40	28 ¹ / ₂
	17	32	39	43	53	33	42	46	56	19.10	28 ¹ / ₂
May	24	31	39	42	52	32	42	45	55	18.90	27 ¹ / ₂
	1	31	39	42	52	32	42	45	55	18.95	27 ¹ / ₂
	8	31	39	42	52	32	42	45	55	19.25	27 ¹ / ₂
	15	30	39	42	52	31	41	45	55	18.85	27 ¹ / ₂
June	22	30	39	42	51	31	41	45	54	18.90	27
	29	29	38	42	50	30	41	43	53	18.90	27
	7	29	38	42	50	30	41	43	53	18.75	27
	14	29	37	41	50	34	40	42	53	18.15	26 ¹ / ₂
July	21	29	37	41	50	30	40	42	53	18.30	25 ¹ / ₂
	28	29	37	41	50	30	40	42	53	18.70	25
	6	29	37	41	50	30	40	42	53	18.40	26
	10	29	37	40	50	30	40	42	53	18.10	26 ¹ / ₄
August	17	29	37	40	50	30	40	42	53	18.55	25 ³ / ₄
	24	29	37	40	50	30	40	42	53	19.10	25 ¹ / ₂
	31	29	37	40	50	30	40	42	53	19.05	26
	7	29	37	40	50	30	40	42	53	18.75	26 ³ / ₄
September	14	29	36	40	49	30	37	41	51	18.00	27 ¹ / ₂
	21	29	36	41	50	30	37	43	53	18.15	27 ³ / ₄
	28	30	37	42	51	31	39	43	54	18.95	28
	7	30	37	42	51	31	40	42	54	18.95	28 ¹ / ₂
October	11	29	36	40	51	30	39	41	54	18.05	27
	18	29	35	40	50	30	39	41	54	16.85	24 ¹ / ₂
	25	28	34	39	50	29	38	40	53	15.25	23
	4	28	34	39	50	29	38	40	53	13.55	21
November	9	28	34	38	48	29	38	39	52	13.20	19
	16	27	33	37	48	28	36	39	52	13.20	20
	23	27	33	37	48	28	36	38	52	12.60	19
	30	30	32	36	47	27	35	38	50	12.85	19 ¹ / ₂
December	5	26	32	36	47	27	35	38	50	12.65	19 ¹ / ₂
	13	27	32	36	47	27	35	38	50	12.90	20 ¹ / ₂
	20	25	31	35	47	26	34	38	50	12.95	21
	27	25	31	35	47	26	34	38	50	12.95	20 ¹ / ₂
	4	25	31	35	47	26	34	38	50	12.35	19 ¹ / ₄
	11	24	31	35	47	25	34	37	50	12.40	19
	18	24	31	35	47	25	34	37	50	12.70	19 ¹ / ₂
	24	24	30	34	46	25	33	36	48	12.95	20

¹ January to March, inclusive, 1 $\frac{1}{8}$ inches.

² New Bedford basis.

Prices of Combed Warp Yarns and Spot Cotton in the United States, Week by Week, during the Year 1926

[Prices are per pound]

Source: Frederick B. Macy & Co., New Bedford

DATE	COMBED SINGLE WARPS				COMBED TWO-PLY WARPS				Mid-up Spot Cotton, New York (in Cents)	Staple Cotton ¹ 1 ¹ / ₈ In- ches (in Cents) ²
	30s	40s	50s	60s	30s	40s	50s	60s		
January 4	\$0 65	\$0 70	\$0 83	\$0 92	\$0 72	\$0 75	\$0 95	\$1 05	20.85	27 ¹ / ₂
9	65	75	83	92	72	75	95	1 05	20.65	28 ¹ / ₄
16	65	75	83	92	72	75	95	1 05	21.20	28
23	63	73	83	92	70	75	95	1 05	21.00	28
30	63	73	83	92	70	75	95	1 05	20.90	28 ¹ / ₄
February 6	63	73	83	92	70	75	95	1 05	20.85	31
13	63	73	83	92	70	75	95	1 05	20.75	31
20	63	73	83	90	70	75	95	1 00	20.75	29 ¹ / ₂
27	61	71	81	90	68	74	95	1 00	19.75	28 ³ / ₄
March 6	61	71	81	90	68	74	95	1 00	19.55	29
13	61	71	81	90	68	74	95	1 00	19.35	28
20	60	71	81	90	67	74	90	1 00	19.10	27 ¹ / ₂
27	60	70	80	90	67	74	90	1 00	19.25	27 ³ / ₄
April 5	60	70	80	90	67	74	90	1 00	19.20	28 ¹ / ₂
10	60	70	80	90	67	74	90	1 00	19.40	28 ¹ / ₂
17	60	70	80	90	66	74	88	1 00	19.10	28 ³ / ₂
24	59	68	78	90	65	74	88	1 00	18.90	27 ¹ / ₂
May 1	59	68	78	90	65	74	88	1 00	18.95	27 ¹ / ₂
8	59	68	78	90	65	74	88	1 00	19.25	27 ¹ / ₂
15	59	68	78	90	65	74	88	1 00	18.85	27 ¹ / ₂
22	59	68	78	90	65	74	88	1 00	18.90	27
29	59	68	78	90	65	74	88	1 00	18.90	27
June 7	59	68	78	90	65	74	88	1 00	18.75	27
14	59	67	76	90	65	74	86	1 00	18.15	26 ¹ / ₂
21	59	67	76	87	65	73	86	98	18.30	25 ¹ / ₂
28	59	67	75	87	64	73	84	95	18.70	25
July 6	59	67	75	87	64	73	84	95	18.40	26
10	59	67	75	87	64	73	84	95	18.10	26 ¹ / ₄
17	59	67	75	87	64	73	84	95	18.55	25 ¹ / ₄
24	59	67	75	87	64	73	84	95	19.10	25 ¹ / ₂
31	59	67	75	87	64	73	84	95	19.05	26
August 7	59	67	75	87	64	73	84	95	18.75	26 ³ / ₄
14	59	67	75	87	64	73	84	95	18.00	27 ¹ / ₂
21	59	67	77	88	64	73	84	96	18.15	27 ³ / ₄
28	60	68	77	90	65	75	85	98	18.95	28
September 7	60	68	77	90	65	75	85	98	18.95	28 ¹ / ₂
11	59	66	77	88	64	74	85	96	18.05	27
18	59	66	77	88	64	74	85	96	16.85	24 ¹ / ₂
25	58	65	75	85	63	72	82	95	15.25	23
October 4	58	65	75	85	63	72	82	95	13.55	21
9	57	64	74	84	62	72	82	95	13.20	19
16	57	64	74	84	62	72	82	95	13.20	20
23	56	63	72	82	61	70	82	92	12.60	19
30	55	63	70	80	60	70	80	92	12.85	19 ¹ / ₂
November 5	55	63	70	80	60	70	80	92	12.65	19 ¹ / ₂
13	55	63	70	80	60	70	80	92	12.90	20 ¹ / ₂
20	55	63	70	80	60	68	78	92	12.95	21
27	55	62	69	79	60	68	78	92	12.95	20 ¹ / ₂
December 4	55	62	69	79	60	68	78	92	12.35	19 ¹ / ₄
11	55	62	69	79	60	68	78	92	12.40	19
18	55	62	69	79	60	68	78	90	12.70	19 ¹ / ₂
24	55	62	69	78	60	68	78	90	12.95	20

¹ January to March, inclusive, 1¹/₈ inches.

² New Bedford basis.

Prices of Gray Cloths and Spot Cotton, Week by Week, during 1926

[Prices are cents per yard]

Source: Daily News Record

DATE		64 x 60 37-Inch 7.60 Yards.	68 x 72 39-Inch 4.75 Yards.	48 x 48 37-Inch 4.00 Yards.	48 x 40 36-Inch 5.50 Yards	64 x 104 39-Inch 4.20 Sateen.	Cotton Mid-up Spot, N. Y.
January	8	6.00	10.17	9.50	7.13	12.00	20.64
	15	6.00	10.18	9.38	7.13	12.10	20.73
	22	6.00	10.20	9.38	7.13	12.25	21.05
	29	6.00	10.20	9.38	7.13	12.25	20.90
February	5	6.00	10.13	9.38	7.15	12.25	20.81
	12	6.00	10.10	9.38	7.18	12.30	20.80
	19	5.98	10.00	9.38	7.25	12.38	20.64
	26	5.88	9.94	9.25	7.25	12.50	20.34
March	5	5.81	9.75	9.20	7.25	12.50	19.49
	12	5.75	9.50	9.13	7.20	12.40	19.47
	19	5.63	9.12	9.00	7.13	12.25	19.33
	26	5.50	9.00	9.00	7.00	12.20	19.18
April	2	5.44	8.87	8.80	6.88	12.13	19.36
	9	5.38	8.81	8.75	6.75	12.13	19.26
	16	5.33	8.79	8.75	6.71	12.13	19.37
	23	5.25	8.75	8.63	6.63	12.13	19.01
	30	5.25	8.75	8.50	6.50	12.13	18.86
May	7	5.13	8.63	8.50	6.38	12.00	19.03
	14	5.12	8.63	8.38	6.38	12.00	19.04
	21	5.10	8.60	8.38	6.38	12.00	18.75
	28	5.06	8.50	8.31	6.25	12.00	18.87
June	4	5.06	8.50	8.31	6.25	11.88	18.84
	11	5.00	8.44	8.38	6.25	11.75	18.63
	18	5.00	8.25	8.38	6.15	11.75	18.18
	25	4.88	8.00	8.25	6.02	11.75	18.44
July	2	4.88	8.00	8.25	6.08	11.63	18.49
	9	4.94	7.88	8.33	6.10	11.63	18.68
	16	5.00	8.06	8.54	6.38	11.63	18.36
	23	5.00	8.25	8.88	6.50	11.63	18.64
	30	5.08	8.46	9.00	6.58	11.63	19.22
August	6	5.13	8.58	9.00	6.63	11.67	18.95
	13	5.13	8.52	9.00	6.63	11.67	18.08
	20	5.04	8.42	9.00	6.63	11.67	18.21
	27	5.13	8.63	9.00	6.75	11.67	18.91
September	3	5.23	8.75	9.00	6.88	11.70	18.87
	10	5.25	8.88	9.00	6.88	11.75	18.71
	17	5.25	8.67	8.90	6.87	11.75	17.58
	24	5.13	8.48	8.71	6.69	11.88	16.12
October	1	5.00	8.08	8.50	6.50	12.00	14.86
	8	4.88	7.83	8.13	6.25	12.25	13.57
	15	4.75	7.63	7.75	6.00	12.38	13.51
	22	4.83	7.58	7.50	5.88	12.38	12.86
	29	4.75	7.46	7.25	5.79	12.25	12.55
November	5	4.75	7.50	7.05	5.76	12.25	12.75
	12	4.75	7.50	7.00	5.58	12.00	12.76
	19	4.75	7.44	7.00	5.45	11.75	12.99
	26	4.75	7.50	6.88	5.38	11.75	12.94
December	3	4.75	7.43	6.87	5.37	11.75	12.64
	10	4.68	7.37	6.75	5.31	11.75	12.41
	17	4.63	7.25	6.70	5.25	11.63	12.58
	24	4.63	7.25	6.63	5.25	11.50	12.91
	31	4.63	7.28	6.63	5.25	11.25	13.00

Prices of Staple Cotton Yarns in the United States during the Year 1926

[Prices are cents per pound]

Source: Daily News Record

DATE		16s Single Southern Carded Frame Warps	16/2 Southern Carded Skeins	40/2 Southern Carded Warps	36s Northern Mule Spun Combed Peeler Cones
January	4 . .	35½	35	50½-51	64
	11 . .	36	35½	51	64
	24 . .	36	35½	51	61
February	8 . .	36	35½	51	61
	15 . .	36	35½	51	61
	27 . .	35½	35	50½	61
March	4 . .	34½	34	49	62
	18 . .	34	34	49	59
	26 . .	33½	33	49	59
April	6 . .	32	32	48	57
	15 . .	32	32	48	57
	26 . .	32	32	48	57
May	4 . .	32	32	48	57
	14 . .	31½	32	47	57
	28 . .	31	32	47	55
June	7 . .	31	31	47	55
	14 . .	30½	30½	46½	55
	28 . .	30	30	46½	55
July	6 . .	30	30	47	55
	14 . .	30	30	47	57
	30 . .	30	30	47	55
August	5 . .	31½	31	48	55
	13 . .	30½	30½	47	55
	27 . .	32	32	48	57
September	4 . .	33	32	48	57
	15 . .	33	33	48	57
	23 . .	31	31	46½	57
	30 . .	30½	30½	46	57
October	6 . .	30	29	45	52
	16 . .	29	28½	44	52
	23 . .	28½	28	43	52
	27 . .	27½-28	28	43	52
November	8 . .	27½-28	27	43	52
	15 . .	27½-28	27	43	52
	24 . .	27½	27	43	52
	30 . .	27½	27	43	52
December	10 . .	27½	26½	41	52
	20 . .	26½	26	41	50
	27 . .	26	25½-26	40	50

Cotton Gray Goods Prices, December 31, 1926

[Inventory Basis]

Source: Daily News Record

	Construction	Width	Yards per Pound	Cents per Yard
Print cloth	64 x 60	27-inch	7.60	4 $\frac{5}{8}$
Print cloth	56 x 44	25-inch	10.55	3 $\frac{1}{2}$
Print cloth	64 x 60	38 $\frac{1}{2}$ -inch	5.35	6 $\frac{3}{4}$
Print cloth	80 x 80	39-inch	4.00	9 $\frac{1}{2}$
Tobacco cloth	20 x 12	36-inch	—	1 $\frac{5}{8}$
Tobacco cloth	44 x 44	36-inch	8.10	4 $\frac{5}{8}$
Sheeting	56 x 60	36-inch	4.00	7 $\frac{3}{4}$
Sheeting	48 x 40	36-inch	5.50	5 $\frac{1}{4}$
Sheeting	48 x 48	37-inch	4.00	6 $\frac{5}{8}$
Sheeting	48 x 48	40-inch	2.50	10 $\frac{1}{2}$
Sheeting	48 x 48	40-inch	2.85	9 $\frac{1}{4}$
Drill	—	30-inch	2.50	11 $\frac{1}{4}$
Drill	—	37-inch	3.95	7 $\frac{1}{2}$
Jean	84 x 56	30-inch	4.00	8 $\frac{1}{8}$
Three-leaf twill	64 x 48	39-inch	6.00	6 $\frac{1}{8}$
Three-leaf twill	68 x 76	39-inch	4.50	8
Albert (carded)	64 x 80	35-inch	5.10	10
Filling sateen	64 x 112	39-inch	4.00	12
Domestic broadcloth (carded)	100 x 60	37 $\frac{1}{2}$ -inch	4.10	10 $\frac{1}{2}$
Domestic broadcloth (combed)	112 x 60	37-inch	4.40	13 $\frac{1}{2}$
Lawn (carded)	72 x 60	30-inch	12.00	6 $\frac{3}{4}$
Lawn (carded)	88 x 80	40-inch	6.00	13 $\frac{1}{4}$
Lawn (combed)	80 x 80	40-inch	9.00	11 $\frac{1}{4}$
Lawn (combed)	84 x 80	40-inch	10.50	14 $\frac{1}{2}$
Voile (slack twist)	60 x 52	40-inch	—	8 $\frac{1}{2}$
Voile (super hard twist)	60 x 56	40-inch	—	11 $\frac{1}{2}$
Poplin (carded)	100 x 44	37 $\frac{1}{2}$ -inch	3.90	10 $\frac{1}{4}$
Organdy	72 x 64	40-inch	13.00	12
Pongee	72 x 100	34-inch	7.00	12 $\frac{1}{4}$
Osnaburg (p. w.)	—	40-inch	7 oz.	8 $\frac{3}{4}$

17 $\frac{1}{4}$ -ounce square woven tire fabrics:

Cents per Pound

Carded Peeler 33

Cord tire fabrics:

Carded Egyptian (uppers) 39

Carded peeler 34

Print cloth yarn dobby fancies 43

Prices of Staple Cotton Cloths in the United States 1915 to 1926, inclusive

[Prices are per linear yard]

Source: Daily News Record

DATE				Print Cloth 38½", 64 x 60 5.35 Yards per Pound	Brown Sheeting 36", 56 x 60 4 Yards per Pound	Fine Lawn 40", 88 x 80 8.50 Yards per Pound
January 1, 1915	.	.	.	\$0 03 $\frac{11}{16}$	\$0 04 $\frac{1}{4}$ to 04 $\frac{1}{2}$	\$0 06 $\frac{3}{8}$
April 1, 1915	.	.	.	04	04 $\frac{3}{4}$ to 04 $\frac{7}{8}$	06 $\frac{3}{4}$
July 1, 1915	.	.	.	03 $\frac{3}{4}$	04 $\frac{1}{2}$	06 $\frac{3}{4}$
October 1, 1915	.	.	.	04 $\frac{1}{2}$	05 $\frac{1}{2}$ to 05 $\frac{3}{4}$	07
January 1, 1916	.	.	.	04 $\frac{3}{4}$	06	08
April 1, 1916	.	.	.	05 $\frac{1}{4}$	06 $\frac{1}{4}$ to 06 $\frac{3}{8}$	09 $\frac{1}{2}$
July 1, 1916	.	.	.	05 $\frac{3}{8}$	06 $\frac{1}{2}$ to 06 $\frac{3}{4}$	09 $\frac{3}{4}$
October 1, 1916	.	.	.	06 $\frac{1}{8}$	08	11
January 1, 1917	.	.	.	07 $\frac{1}{2}$	09 $\frac{3}{4}$	12
April 1, 1917	.	.	.	08 $\frac{1}{4}$	09 $\frac{1}{2}$ to 09 $\frac{3}{4}$	11 $\frac{1}{2}$
July 1, 1917	.	.	.	10 $\frac{1}{4}$	13	12 $\frac{1}{2}$
October 1, 1917	.	.	.	09 $\frac{3}{4}$	12 $\frac{1}{2}$ to 12 $\frac{3}{4}$	12
January 1, 1918	.	.	.	12	15 $\frac{1}{4}$	13
April 1, 1918	.	.	.	17 $\frac{1}{2}$	21	19 $\frac{1}{2}$
July 1, 1918	.	.	.	18 $\frac{3}{4}$	23	23 $\frac{1}{2}$
October 1, 1918	.	.	.	09 $\frac{3}{4}$	17 $\frac{1}{2}$	25 $\frac{1}{2}$
January 1, 1919	.	.	.	12 $\frac{1}{4}$	16	19 $\frac{1}{2}$
April 1, 1919	.	.	.	09 $\frac{3}{4}$	12	16
July 1, 1919	.	.	.	17	18 $\frac{1}{2}$	26 $\frac{1}{2}$
October 1, 1919	.	.	.	17	19 $\frac{1}{2}$ to 20	29
January 1, 1920	.	.	.	20 $\frac{1}{4}$	25	40
April 1, 1920	.	.	.	23	26 $\frac{1}{2}$ to 27	40
July 1, 1920	.	.	.	20	22 $\frac{1}{2}$	29
October 1, 1920	.	.	.	12 $\frac{1}{2}$	15 $\frac{1}{2}$	24 $\frac{1}{2}$
January 1, 1921	.	.	.	08	09 $\frac{3}{4}$	15 $\frac{1}{2}$
April 1, 1921	.	.	.	06 $\frac{5}{8}$	08	14 $\frac{3}{4}$
July 1, 1921	.	.	.	06 $\frac{3}{8}$	07 $\frac{1}{4}$	13 $\frac{1}{2}$
October 1, 1921	.	.	.	09 $\frac{1}{2}$	11 $\frac{1}{2}$	16 $\frac{1}{2}$
January 1, 1922	.	.	.	09	09 $\frac{3}{4}$	15 $\frac{1}{4}$
April 1, 1922	.	.	.	07 $\frac{3}{8}$	09	14 $\frac{1}{2}$
July 1, 1922	.	.	.	08 $\frac{1}{2}$	10 $\frac{1}{4}$	15 $\frac{1}{4}$
October 1, 1922	.	.	.	09	10 $\frac{1}{8}$ to 10 $\frac{3}{8}$	15
January 1, 1923	.	.	.	10 $\frac{3}{8}$	12 to 12 $\frac{1}{4}$	15 $\frac{1}{4}$
April 1, 1923	.	.	.	10 $\frac{7}{8}$	12 $\frac{3}{4}$	16
July 1, 1923	.	.	.	09 $\frac{1}{2}$	11 $\frac{1}{4}$	15 $\frac{1}{4}$
October 1, 1923	.	.	.	09 $\frac{3}{4}$	12 $\frac{1}{4}$	15 $\frac{3}{4}$
January 1, 1924	.	.	.	11	13 $\frac{1}{2}$	15 $\frac{3}{4}$
April 1, 1924	.	.	.	09 $\frac{1}{4}$	11	14 $\frac{1}{2}$
July 1, 1924	.	.	.	08 $\frac{3}{4}$	10 $\frac{3}{4}$	14 $\frac{1}{2}$
October 1, 1924	.	.	.	09	11	14 $\frac{1}{2}$
January 1, 1925	.	.	.	09 $\frac{1}{4}$	10 $\frac{7}{8}$	14 $\frac{1}{4}$
April 1, 1925	.	.	.	09	10 $\frac{3}{4}$	14 $\frac{1}{4}$
July 1, 1925	.	.	.	09 $\frac{1}{4}$	09 $\frac{3}{4}$	13 $\frac{3}{4}$
October 1, 1925	.	.	.	09 $\frac{1}{4}$	11 $\frac{1}{8}$	14
January 1, 1926	.	.	.	08	09 $\frac{3}{4}$	13 $\frac{3}{4}$
April 1, 1926	.	.	.	07 $\frac{3}{4}$	09 $\frac{7}{8}$	13 $\frac{1}{2}$
July 1, 1926	.	.	.	07	08 $\frac{3}{4}$	13 $\frac{1}{4}$
October 1, 1926	.	.	.	07 $\frac{5}{8}$	08 $\frac{1}{4}$	12 $\frac{3}{4}$
January 1, 1927	.	.	.	06 $\frac{3}{4}$	07 $\frac{3}{4}$	12 $\frac{1}{4}$

Average Yearly Print Cloth Prices

Source: Daily News Record

Year	25-Inch 56 x 44 10.55 Yard	27-Inch 64 x 60 7.60 Yard	38½-Inch 44 x 40 8.20 Yard	38½-Inch 60 x 48 6.25 Yard	38½-Inch 64 x 60 5.35 Yard	39-Inch 68 x 72 4.75 Yard	39-Inch 72 x 76 4.25 Yard	39-Inch 80 x 80 4.00 Yard	Average Cotton Goods Prices ¹	New York Middling Spot Cotton
Pre-war average (1911-12-13)	2.492	3.308	3.237	4.243	4.852	5.470	6.158	6.942	8.054	12.55
1914	2.299	3.071	3.146	3.774	4.465	5.111	5.769	6.403	7.851	11.81
1915	2.152	2.900	2.800	3.544	4.050	4.673	5.359	5.989	7.338	10.08
1916	3.059	4.118	4.178	5.200	6.031	6.781	7.370	8.011	9.860	14.45
1917	5.113	6.656	6.307	8.046	9.399	10.701	11.853	12.795	15.074	23.80
1918 ²	8.232	11.513	10.300	14.029	15.152	18.338	20.332	20.930	23.533	31.59
1919	8.010	9.869	9.300	12.650	13.700	16.695	19.258	21.670	21.912	32.37
1920	9.848	12.336	12.100	15.848	17.280	18.788	21.649	23.915	26.000	33.79
1921	3.953	5.079	4.855	6.565	7.710	8.869	9.635	11.387	13.018	15.05
1922	5.076	6.823	6.276	7.962	8.943	10.008	11.622	12.605	15.090	22.44
1923	5.426	7.461	7.052	8.835	10.198	11.721	12.646	13.608	17.145	29.30
1924	4.887	6.780	6.227	7.875	9.063	10.382	11.837	13.279	16.084	28.75
1925	4.786	6.535	6.183	7.981	9.222	10.541	11.802	12.700	15.097	23.43
1926	3.845	5.196	5.016	6.398	7.491	8.547	9.587	10.593	12.858	17.50

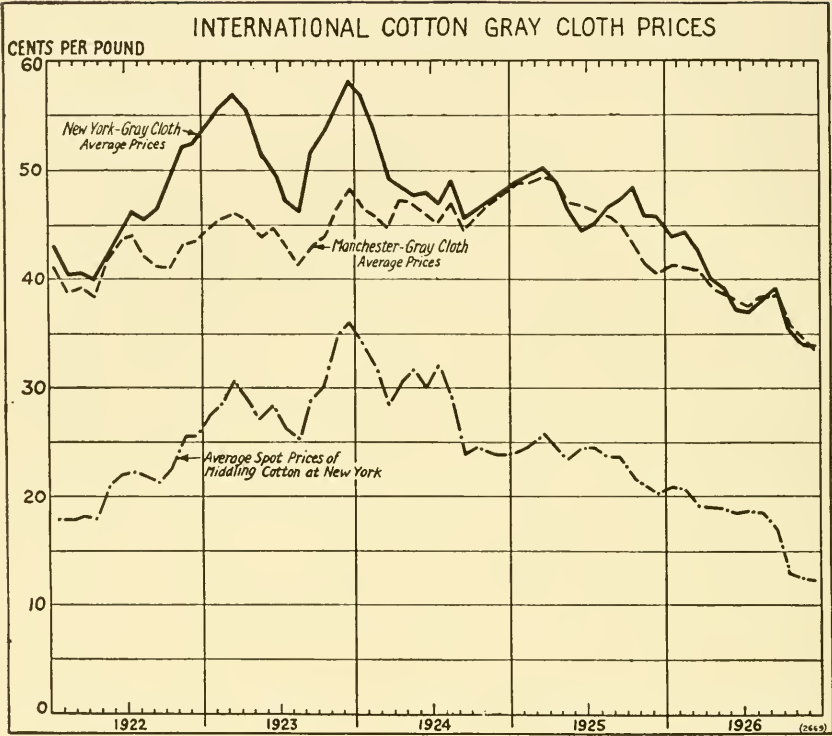
¹ This average includes, among others, eight print cloths, five sheetings, four drills, four standard colored goods, four bleached goods and two ducks.² In June, 1918, the government announced a list of maximum prices on cotton goods. These prices were really in effect till the end of the year. After the armistice in November, however, business almost ceased and there was practically no market. This may explain some figures which would otherwise seem irregular.

Average Yearly Standard Colored Goods and Bleached Goods Prices

Source: Daily News Record

Commodity	Pre-war Average (1911-12-13)	1917	1918 ¹	1919	1920	1921	1922	1923	1924	1925	1926
Standard 2.20 denim	11.485	24.277	34.500	30.062	38.250	15.666	19.486	23.826	21.456	18.912	15.425
Standard fine chambray, about 5.00 yard	6.625	13.500	19.875	20.500	34.620	12.375	14.281	14.230	12.466	12.057	9.925
Standard 3.80 work shirt cham- bray	6.916	15.210	22.650	17.444	25.200	11.156	13.929	15.403	14.014	13.465	11.613
27-inch Eastern Standard staple gingham	6.194	11.000	17.694	18.178	19.305	12.329	13.820	14.395	12.207	11.146	8.937
Standard 8-ounce ticking . . .	13.138	27.071	39.034	33.400	28.030	19.250	23.156	26.740	25.866	23.658	19.236
Standard branded bleached mus- lin, Class A	8.432	14.800	24.000	25.045	33.500	16.684	17.278	18.497	18.337	17.996	16.611
Standard branded bleached mus- lin, Class B	7.235	12.475	20.570	21.300	21.300	13.330	13.812	15.014	14.805	14.206	12.507
10/4 bleached wide sheeting, Class A	25.857	40.862	64.205	67.819	71.042	50.730	52.091	57.484	56.397	52.277	48.335
10/4 bleached wide sheeting, Class B	22.308	35.674	58.290	60.594	64.200	46.215	47.104	51.346	50.295	46.708	41.075

¹ In June, 1918, the government announced a list of maximum prices on cotton goods. These prices were really in effect till the end of the year. After the armistice in November, however, business almost ceased, and there was practically no market. This may explain some figures which would otherwise seem irregular.



International Comparative Gray Cloth Prices

[Cents per pound at current exchange]

Source: United States Department of Commerce

WEEK ENDED		NEW YORK				MANCHESTER				OSAKA			
		1923	1924	1925	1926	1923	1924	1925	1926	1923	1924	1925	1926
January	2 . .	53.86	57.47	48.70	- ¹	44.15	47.44	48.95	- ¹	-	46.00	-	-
	9 . .	53.79	57.71	48.92	43.61	44.17	47.10	49.06	41.21	45.40	45.41	46.74	43.56
	16 . .	54.26	56.83	49.21	43.60	45.21	46.28	49.04	41.26	45.75	45.02	46.64	43.20
	23 . .	55.15	55.36	49.43	43.82	45.35	45.64	48.98	41.32	45.87	45.29	46.58	42.85
	30 . .	55.75	54.83	48.98	43.94	45.05	46.31	48.69	41.33	45.73	45.90	44.97	42.68
February	6 . .	55.59	54.32	48.98	43.94	45.66	46.70	48.87	41.34	-	46.77	44.88	42.38
	13 . .	55.66	53.66	49.52	44.43	45.69	46.24	48.74	41.33	44.81	46.34	45.40	41.83
	20 . .	55.81	51.62	49.59	44.45	45.98	44.30	48.69	40.84	45.12	45.13	44.95	43.17
	27 . .	56.20	50.75	50.06	44.53	45.96	44.86	48.60	40.84	45.62	44.76	45.24	40.82
March	6 . .	56.80	50.41	50.04	43.78	45.96	44.17	49.07	41.18	45.27	43.86	44.35	39.98
	13 . .	57.08	50.01	50.50	43.23	46.27	44.54	49.26	40.90	45.23	42.82	45.20	39.45
	20 . .	57.28	49.49	50.28	41.33	46.42	45.25	49.21	40.80	44.76	42.64	45.01	39.13
	27 . .	56.90	47.84	49.62	41.80	46.21	44.74	49.63	40.41	44.99	42.42	45.44	39.66
April	3 . .	56.25	47.06	48.87	40.49	46.01	45.65	48.83	40.27	44.67	42.52	44.25	40.43
	10 . .	55.64	49.58	49.07	40.32	45.69	46.97	48.59	39.08	44.86	42.81	42.30	39.99
	17 . .	55.46	49.35	48.78	39.75	45.21	48.27	48.54	38.82	44.48	41.78	43.56	39.96
	24 . .	54.60	48.13	48.24	39.31	45.07	48.18	48.31	38.83	44.55	41.43	41.98	39.56
May	1 . .	53.68	48.18	48.24	40.53	44.45	47.64	47.90	38.59	44.43	42.14	43.00	38.85
	8 . .	52.01	47.63	47.26	38.91	43.55	46.95	47.33	- ²	44.20	41.85	41.38	38.11
	15 . .	50.78	47.33	46.27	38.77	43.68	47.04	46.15	- ²	44.27	42.29	41.01	38.74
	22 . .	50.59	47.40	45.25	38.69	43.76	46.99	46.46	38.74	44.66	41.34	41.53	37.85
	29 . .	50.25	48.14	44.93	38.29	44.56	46.77	46.57	38.73	44.36	41.51	41.77	38.38
June	5 . .	49.78	48.33	44.54	37.62	44.34	46.50	46.76	38.78	44.47	41.45	42.31	38.74
	12 . .	49.94	48.26	44.50	37.65	45.55	45.85	46.39	38.79	44.22	41.63	42.81	38.39
	19 . .	49.66	47.82	44.21	37.16	44.54	45.89	46.63	37.67	44.04	41.51	43.59	38.04
	26 . .	49.45	47.94	44.39	36.23	44.61	45.51	46.37	37.58	43.68	41.37	43.38	38.56
July	3 . .	48.38	47.16	44.98	36.21	43.57	44.77	46.38	37.58	42.89	41.55	44.91	39.29
	10 . .	48.06	46.89	44.98	36.15	43.04	44.45	45.75	37.09	42.41	41.34	45.54	39.44
	17 . .	46.92	46.70	45.35	36.78	43.04	45.23	46.53	37.70	41.54	41.51	44.21	40.32
	24 . .	46.11	47.80	45.42	37.47	41.89	46.45	45.99	37.61	39.53	41.91	44.28	39.93
	31 . .	45.85	50.29	46.85	37.74	40.27	48.07	46.47	38.23	39.61	42.78	44.34	40.27
August	7 . .	45.81	49.99	46.63	38.31	41.54	47.72	46.19	38.17	39.08	43.81	44.81	40.03
	14 . .	46.16	49.61	46.63	38.32	41.60	47.84	45.91	37.84	37.70	44.20	44.66	39.30
	21 . .	47.48	48.72	47.02	38.15	41.75	46.19	45.83	38.43	37.89	43.83	44.69	38.45
	28 . .	47.62	47.59	46.44	38.56	41.55	45.30	45.52	38.98	39.57	44.05	44.10	38.44
September	4 . .	49.59	46.96	45.88	39.23	41.44	45.33	44.49	38.94	39.47	44.08	44.77	37.83
	11 . .	52.44	45.86	46.18	39.82	43.55	44.57	44.46	38.96	39.54	43.84	44.29	36.98
	18 . .	53.55	44.48	47.82	39.43	43.97	44.15	45.54	38.88	40.37	43.23	44.55	36.35
	25 . .	54.55	45.79	48.79	39.09	44.17	44.00	45.51	38.36	42.41	43.43	43.95	34.95
October	2 . .	54.02	47.23	49.16	37.67	44.01	45.70	44.81	37.66	42.31	43.96	43.97	34.93
	9 . .	52.56	47.65	49.08	37.00	43.22	46.31	44.30	36.63	42.84	43.04	43.56	33.15
	16 . .	53.27	45.76	48.81	35.76	43.76	45.94	42.92	36.12	42.94	43.12	43.19	33.07
	23 . .	53.28	45.63	47.92	35.47	44.16	45.55	42.92	35.62	43.66	43.72	42.72	31.60
	30 . .	53.71	45.83	47.05	34.49	44.84	46.26	41.92	35.00	44.32	43.99	41.78	30.28
November	6 . .	55.41	45.98	46.05	34.35	46.32	47.01	41.12	35.00	45.14	44.15	42.53	30.32
	13 . .	56.98	47.60	45.71	34.24	47.11	47.58	41.05	35.00	44.85	46.22	42.17	30.05
	20 . .	57.12	48.48	45.76	34.00	48.14	47.62	41.08	35.03	45.97	46.34	42.68	30.62
	27 . .	57.98	48.74	45.74	34.12	48.55	47.85	41.15	34.31	47.60	47.34	42.21	31.24
December	4 . .	58.67	48.17	45.87	34.07	49.11	47.55	40.85	34.22	47.22	46.70	41.66	30.29
	11 . .	57.97	47.88	45.36	33.59	47.10	48.11	40.68	33.60	45.99	46.79	40.61	30.38
	18 . .	57.91	47.88	44.82	33.51	48.27	47.96	39.89	33.61	46.72	46.61	39.94	30.45
	25 . .	57.91	48.62	43.98	33.44	48.32	48.34	39.89	33.46	-	-	40.86	30.69
January 1, 1927	. .	-	-	43.98	33.52	-	-	39.91	32.94	-	-	-	-
Annual average	. .	53.11	49.01	47.18	38.59	44.76	46.30	45.83	38.07	43.61	43.68	43.61	37.51

¹ Added to 1925.

² No prices quoted during the general strike in England.

Cotton Finishing Industry ¹

Source: National Association of Finishers of Cotton Fabrics

	Billings (Thousands of Yards) ²	Orders, Grey Yardage (Thousands of Yards)	Shipments (Cases)	Stocks (Cases)	Activity (Per Cent of Capacity)
1922 monthly average . .	94,016	95,509	49,102	44,937	66
1923 monthly average . .	95,098	91,504	48,116	46,166	68
1924 monthly average . .	77,650	76,105	41,863	43,139	58
1925 monthly average . .	78,756	76,558	43,691	39,640	60
1926 monthly average . .	81,399	78,676	47,458	39,673	64
1926					
January	78,170	87,188	46,679	41,111	62
February	82,370	85,055	46,922	41,006	71
March	98,321	97,436	54,452	41,329	74
April	90,938	79,606	49,301	42,350	67
May	79,164	69,348	45,715	41,352	61
June	78,161	65,072	45,272	41,494	55
July	65,714	67,272	43,724	40,446	50
August	69,554	75,180	44,336	38,449	59
September	79,223	84,438	49,312	36,868	66
October	88,295	79,350	51,010	36,161	70
November	79,480	76,483	45,941	37,113	63
December	87,401	77,686	46,827	38,398	66
1925					
January	81,174	84,459	49,319	36,925	62
February	81,650	83,293	47,961	36,101	66
March	94,039	86,776	48,879	36,121	69
April	88,986	76,505	45,776	39,296	64
May	75,463	63,128	40,573	40,460	52
June	70,593	65,103	40,133	41,461	51
July	69,281	69,364	39,153	40,710	52
August	63,994	69,176	37,903	41,151	50
September	72,257	81,079	42,608	40,711	58
October	85,859	85,907	47,556	39,917	67
November	78,239	75,453	39,676	40,511	61
December	83,541	78,448	44,754	42,315	62

¹ Figures cover approximately 70 per cent of white goods, 55 per cent of dyed goods, and 25 per cent of printed goods finished outside of mills.

² Goods are billed as completed, hence billings approximate production.

Activity of the American Cotton Industry

Source: United States Bureau of the Census

	Total Spindle Hours (Millions)	Hours per Spindle in Place	Hours per Spindle in Place relative to 1922	Per Cent of Capacity
1923 monthly average	8,288	222	106	98.8
1924 monthly average	6,696	177	85	78.6
1925 monthly average	7,877	208	100	92.7
1926 monthly average	8,083	215	103	95.4
1924				
January	8,448	224	107	96.7
February	7,304	194	93	89.8
March	7,073	187	89	82.4
April	6,770	179	86	79.9
May	5,908	156	75	67.5
June	5,336	141	67	64.6
July	5,158	136	65	60.6
August	5,400	143	68	62.8
September	6,415	170	81	76.1
October	7,593	201	91	85.4
November	7,124	188	90	87.5
December	7,817	206	99	90.4
1925				
January	8,493	224	107	96.4
February	7,868	208	100	100.0
March	8,599	227	109	99.6
April	8,518	225	108	100.0
May	7,930	210	100	93.6
June	7,690	203	97	89.0
July	7,298	192	92	84.6
August	6,954	184	88	80.5
September	7,102	188	89	83.8
October	7,962	210	100	89.4
November	7,834	207	99	96.0
December	8,272	218	104	99.5
1926				
January	8,359	221	106	98.7
February	8,094	214	103	102.8
March	9,163	242	115	102.1
April	8,348	221	106	98.2
May	7,506	199	95	88.9
June	7,606	202	97	88.4
July	6,770	180	86	78.9
August	7,489	200	96	87.4
September	8,248	220	105	98.5
October	8,370	224	107	98.9
November	8,480	227	109	101.2
December	8,563	229	110	100.3

Changes in Cost of Living in the United States, 1915 to 1926

Source: United States Bureau of Labor Statistics

ITEMS OF EXPENDITURE	PER CENT OF INCREASE FROM 1913 (AVERAGE) TO —												
	Dec., 1915	Dec., 1916	Dec., 1917	Dec., 1918	June, 1919	Dec., 1919	June, 1920	Dec., 1920	May, 1921	Sept., 1921	Dec., 1921	June, 1922	Sept., 1922
Food	5.0	26.0	57.0	87.0	84.0	97.0	119.0	78.0	44.7	53.1	49.9	41.0	39.8
Clothing	4.7	20.0	49.1	105.3	114.5	168.7	187.5	158.5	122.6	92.1	84.4	72.3	71.3
Housing	1.5	2.3	.1	9.2	14.2	25.3	34.9	51.1	59.0	60.0	61.4	60.9	61.1
Fuel and light	1.0	8.4	24.1	47.9	45.6	56.8	71.9	94.9	81.6	80.7	81.1	74.2	83.6
House-furnishing goods	10.6	27.8	50.6	113.6	125.1	163.5	192.7	185.4	147.7	124.7	118.0	102.9	102.9
Miscellaneous	7.4	13.3	40.5	65.8	73.2	90.2	101.4	108.2	108.8	107.8	106.8	101.5	101.1
All items	5.1	18.3	42.4	74.4	77.3	99.3	116.5	100.4	80.4	77.3	74.3	66.6	66.3

Changes in Cost of Living in the United States, 1915 to 1926 — (Concluded)

Source: United States Bureau of Labor Statistics

ITEMS OF EXPENDITURE	PER CENT OF INCREASE FROM 1913 (AVERAGE) TO —												
	Dec., 1922	Mar., 1923	June, 1923	Sept., 1923	Dec., 1923	Mar., 1924	June, 1924	Sept., 1924	Dec., 1924	June, 1925	Dec., 1925	June, 1926	Dec., 1926
Food	46.6	41.9	44.3	49.3	50.3	43.7	42.4	46.8	51.5	55.0	65.5	59.7	61.8
Clothing	71.5	74.4	74.9	76.5	76.3	75.8	74.2	72.3	71.3	70.6	69.4	68.2	66.7
Housing	61.9	62.4	63.4	64.4	66.5	67.0	68.0	68.0	68.2	67.4	67.1	65.4	64.2
Fuel and light	86.4	86.2	80.6	81.3	84.0	82.2	77.3	79.1	80.5	76.7	86.9	80.5	88.3
House-furnishing goods	108.2	117.6	122.2	122.4	122.4	121.3	116.0	114.9	116.0	114.3	114.3	110.4	107.7
Miscellaneous	100.5	100.3	100.3	101.1	101.7	101.1	101.1	101.1	101.7	102.7	103.5	103.3	103.9
All items	69.5	68.8	69.7	72.1	73.2	70.4	69.1	70.6	72.5	73.5	77.9	74.8	75.6

Weekly Sales of Print Cloths at Fall River

[In thousands of pieces]

Source: J. M. Prendergast & Co.

		1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26
August	1	80	—	—	—	—	130	80
	4	50	30	150	100	20	100	50
	11	40	40	150	70	80	60	50
	18	100	60	120	100	130	40	40
	25	40	20	200	200	350	30	40
September	1	50	30	250	300	160	25	40
	8	60	30	100	100	200	25	40
	15	140	130	70	300	190	30	100
	22	250	120	100	250	180	100	120
	29	180	30	200	250	130	100	100
October	6	180	20	100	200	60	60	60
	13	160	10	80	225	50	40	60
	20	200	10	60	250	100	60	40
	27	200	20	150	200	130	75	40
November	3	200	20	110	200	130	300	40
	10	120	10	80	180	300	70	50
	17	100	10	80	160	60	40	50
	24	100	10	70	100	100	40	60
December	1	160	20	100	90	180	30	40
	8	150	15	180	80	85	40	50
	15	160	20	180	150	50	30	40
	22	110	50	230	200	60	75	50
	29	110	50	180	175	50	40	40
January	5	180	100	150	175	50	70	40
	12	180	400	70	175	40	60	75
	19	160	250	75	300	50	70	90
	26	100	100	100	240	50	80	100
February	2	100	90	100	120	50	80	100
	9	60	120	120	120	80	80	70
	16	60	110	130	150	40	65	75
	23	50	60	230	225	50	75	60
March	1	40	60	150	250	80	70	50
	8	90	50	100	200	40	60	50
	15	100	60	70	150	70	40	60
	22	110	200	120	120	60	30	40
	29	150	70	100	80	50	30	40
April	5	120	60	90	70	120	25	40
	12	100	75	110	40	200	40	40
	19	120	90	300	40	50	30	30
	26	80	110	150	40	30	30	50
May	3	40	140	250	60	40	30	50
	10	40	180	225	40	40	30	75
	17	15	170	175	30	25	40	80
	24	50	80	150	30	25	30	75
	31	50	100	100	50	50	30	75
June	7	50	120	200	40	50	60	60
	14	40	70	200	100	70	75	50
	21	70	40	240	75	30	80	60
	28	30	60	150	70	25	100	60
July	5	30	80	120	50	25	100	75
	12	30	100	120	40	30	80	100
	19	40	120	200	25	60	75	110
	26	—	120	100	20	150	75	90

Wage Rates paid by Cotton Mills of Lancashire, England, since 1853

The table below gives the wage rates paid under the standard lists of Lancashire, in terms of percentage of the basic list prices. Basic list prices are indicated by 100; rates 5 per cent above list are expressed by 105; rates 5 per cent below list are expressed by 95, etc.

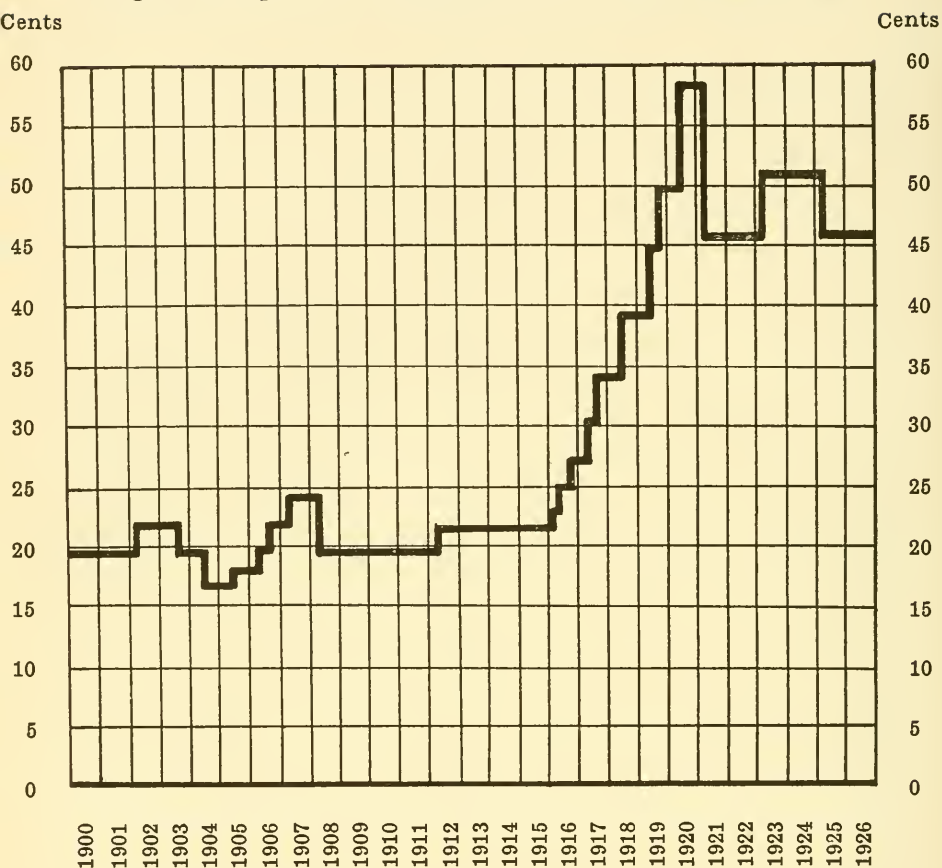
END OF YEAR —	COTTON SPINNING		Cotton Weaving Blackburn ¹ and Uniform Lists
	Bolton List	Oldham List	
1853	No list	No list	Blackburn list adopted + 10
1854-57	No list	No list	100
1858	List adopted	No list	100
1859	100	No list	100
1860	105	No list	105
1861-65	100	No list	100
1866	105	No list	100
1867	100	No list	List revised
1868	100	No list	100
1869	95	No list	95
1870	95	No list	100
1871	100	No list	100
1872-73	105	No list	100
1874	100	No list	100
1875	105	No list	100
1876	105	List adopted	100
1877	100	95	100
1878	100	85	90
1879	90	80	85
1880	95	85	85
1881-82	95	90	90
1883	95	90	85
1884	95	90	90
1885-87	90	85	90
1888-89	95	90	90
1890	100	90	90
1891	100	95	90
1892	100	95	Uniform list adopted - 10
1893-98	100	92.09	90
1899	100	95	92.5
1900-04	105	100	92.5
1905	105	100	97.5
1906	105	105	100
1907-08	110	110	100
1909-11	105	105	100
1912-14	105	105	105
1915	110	110	105
1916	115	115	110
1917	140	140	140
1918	215	215	215
1919	245	245	245
1920	315 ²	315 ²	315 ³
1921	245	245	245
1922-26	195	195	195

¹ Blackburn list succeeded by Uniform list in 1892.

² Strippers and grinders, blowing-room operatives, and leading men in cotton rooms received in 1920 an additional 10 per cent on wages realized after the addition of the 70 per cent of the list.

³ Tapers, dry tapers, warp dressers, and loom overlookers received an advance in 1920 of only 55 per cent of list, instead of the 70 per cent which other operatives received. In 1921 these operatives were reduced only 55 per cent instead of the 70 per cent by which other workers were cut down.

Wage Rates paid for weaving Print Cloths in Fall River



The above chart, based on the table at the top of the following page, shows the fluctuations in the amount paid by Fall River print cloth manufacturers to their weavers for weaving $47\frac{1}{2}$ yards of 28", 64 x 64, 7-yard print cloths. Wage rates of other classes of operatives, per hour or per piece, fluctuated in about the same ratio as those of weavers during the period covered. Accordingly this chart may be taken as indicating the general changes in the hourly or piece wage rates of Fall River mill-workers.

Wage Rates paid for weaving Print Cloths in Fall River

Prices paid for weaving 47½ yards of 28-inch, 64 x 64, 7-yard print cloth

PERIOD	Wage Rate	Advance or Reductions from Previous Rate (Per Cent)	Percentage of 1900 Rate	Percentage of Pre-war Rate
December, 1899, to March, 1902 .	\$0.1980	+10	100	—
March, 1902, to November, 1903 .	2178	+10	110	—
November, 1903, to July, 1904 .	1980	—9 ¹ / ₁₀	100	—
July, 1904, to October, 1905 .	1732	—12½	87½	—
October, 1905, to July, 1906 .	1861	+7½	94	—
July, 1906, to November, 1906 .	1980	+6 ⁴ / ₁₀	100	—
November, 1906, to May, 1907 .	2178	+10	110	—
May, 1907, to May, 1908 .	2396	+10	121	—
May, 1908, to March, 1912 .	1966	—17 ⁹ / ₁₀	99	—
March, 1912, to January, 1916 .	2163	+10	109	100.00
January, 1916, to May, 1916 .	2271	+5	115	105.00
May, 1916, to December, 1916 .	2498	+10	126	115.50
December, 1916, to June, 1917 .	2748	+10	139	127.05
June, 1917, to December, 1917 .	3023	+10	154	139.76
December, 1917, to June, 1918 .	3401	+12½	172	157.23
June, 1918, to June, 1919 .	3911	+15	198	180.81
June, 1919, to December, 1919 .	4498	+15	227	207.93
December, 1919, to June, 1920 .	5060	+12½	256	233.92
June, 1920, to January, 1921 .	5819	+15	293	269.01
January, 1921, to April, 1923 .	4510	—22½	228	208.48
April, 1923, to January, 1925 .	5074	+12½	257	234.54
January, 1925, to — .	4567	—10	231	211.09

Average Cash Dividends of New Bedford and Fall River Mills

Source: Sanford & Kelly of New Bedford and G. M. Haffards & Co. of Fall River

YEAR	New Bedford	Fall River
1911	5.50 per cent on \$36,821,300 capital	4.96 per cent on \$27,561,700 capital
1912	4.40 per cent on \$37,126,300 capital	4.25 per cent on \$27,561,700 capital
1913	5.63 per cent on \$38,925,000 capital	6.87 per cent on \$30,179,100 capital
1914	4.76 per cent on \$39,225,000 capital	4.03 per cent on \$30,349,700 capital
1915	7.83 per cent on \$39,725,000 capital	3.77 per cent on \$30,349,700 capital
1916	7.33 per cent on \$40,675,000 capital	8.01 per cent on \$30,486,700 capital
1917	16.47 per cent on \$49,012,300 capital	13.08 per cent on \$33,111,700 capital
1918	12.66 per cent on \$50,656,300 capital	18.02 per cent on \$34,111,700 capital
1919	13.30 per cent on \$50,572,500 capital	14.46 per cent on \$34,111,700 capital
1920	26.17 per cent on \$50,966,500 capital	32.77 per cent on \$33,860,000 capital
1921	9.19 per cent on \$59,374,000 capital	8.01 per cent on \$38,610,000 capital
1922	9.72 per cent on \$61,735,200 capital	9.60 per cent on \$37,210,000 capital
1923	6.96 per cent on \$72,251,900 capital	7.81 per cent on \$44,666,700 capital
1924	5.13 per cent on \$73,251,900 capital	6.45 per cent on \$43,665,000 capital
1925	5.30 per cent on \$74,028,900 capital	5.03 per cent on \$43,585,000 capital
1926	4.00 per cent on \$72,698,700 capital	3.48 per cent on \$43,585,000 capital

General Wage Changes in New Bedford since 1870

PERIOD	Advance or Reduction from Previous Rate (Per Cent)	Percentage of January, 1870, Rate	Percentage of Pre-war Rate
January, 1870, to March, 1870 . .	-	100.00	-
March, 1870, to December, 1873 . .	+10	110.00	-
December, 1873, to December, 1875 . .	-10	99.00	-
December, 1875, to August, 1878 . .	-10	89.10	-
August, 1878, to January, 1880 . .	-10	80.19	-
January, 1880, to April, 1880 . .	+10	88.20	-
April, 1880, to April, 1884 . .	+10	97.02	-
April, 1884, to April, 1885 . .	-10	87.31	-
April, 1885, to April, 1886 . .	-10	78.57	-
April, 1886, to April, 1888 . .	+10	86.42	-
April, 1888, to August, 1892 . .	+5	90.74	-
August, 1892, to December, 1892 . .	+3	93.46	-
December, 1892, to September, 1893 . .	+7	100.00	-
September, 1893, to August, 1894 . .	-10@15	87.50	-
August, 1894, to April, 1895 . .	-5	83.12	-
April, 1895, to January, 1898 . .	+5	87.27	-
January, 1898, to April, 1899 . .	-10	78.54	-
April, 1899, to December, 1899 . .	+10	86.39	-
December, 1899, to April, 1902 . .	+10	95.02	-
April, 1902, to December, 1903 . .	+10	104.52	-
December, 1903, to July, 1906 . .	-10 ¹	95.02	-
July, 1906, to December, 1906 . .	+5	99.77	-
December, 1906, to May, 1907 . .	+7½	107.25	-
May, 1907, to April, 1908 . .	+10	117.97	-
April, 1908, to March, 1912 . .	-10	106.17	-
March, 1912, to January, 1916 . .	+10	116.78	100.00
January, 1916, to April, 1916 . .	+5	122.61	105.00
April, 1916, to November, 1916 . .	+10	134.87	115.50
November, 1916, to June, 1917 . .	+10	148.35	127.05
June, 1917, to November, 1917 . .	+10	163.18	139.76
November, 1917, to June, 1918 . .	+10	179.49	153.74
June, 1918, to June, 1919 . .	+17½	210.90	180.64
June, 1919, to December, 1919 . .	+15	242.53	207.74
December, 1919, to June, 1920 . .	+12½	272.84	233.71
June, 1920, to January, 1921 . .	+15	313.76	268.77
January, 1921, to April, 1923 . .	-22½	243.16	208.30
April, 1923, to January, 1925 . .	+12½	273.56	234.34
January, 1925, to — . .	-10	246.21	210.91

¹ Approximate reduction of 10 per cent to scale of December, 1899.

Gross Manufacturing Margins on Staple Yarns and Cloths in the United States

[Cents per pound]

Source: Garside Cotton Service

		Average Margin on Four Yarns	Average Margin on Three Print Cloths	Average Margin on Three Sheetings	Average Margin on Two Ducks and Two Drills
August	4, 1923	9.85	18.90	13.15	14.80
September	1, 1923	11.18	19.32	12.45	13.42
October	6, 1923	10.36	18.88	12.51	13.56
November	3, 1923	10.04	17.54	10.74	10.99
December	1, 1923	9.82	16.61	8.20	9.98
January	5, 1924	8.56	16.68	9.07	11.37
February	2, 1924	5.74	14.09	7.95	10.29
March	1, 1924	7.16	14.80	9.99	11.35
April	5, 1924	4.81	13.11	7.50	8.29
May	3, 1924	6.50	12.54	6.65	8.12
June	7, 1924	5.98	14.56	7.03	7.43
July	5, 1924	3.43	12.18	5.31	7.01
August	2, 1924	9.24	17.52	10.86	9.97
September	6, 1924	10.34	18.58	12.69	14.60
October	4, 1924	10.01	18.27	12.02	13.18
November	1, 1924	12.07	18.34	13.60	14.92
December	6, 1924	12.08	20.92	14.09	16.10
January	3, 1925	10.45	20.96	13.03	14.41
February	7, 1925	8.93	20.60	12.66	14.11
March	7, 1925	7.82	19.49	10.83	12.12
April	4, 1925	8.93	19.34	11.65	13.61
May	2, 1925	6.44	18.58	10.51	13.38
June	6, 1925	5.84	16.25	8.09	12.00
July	4, 1925	5.72	16.26	7.49	10.07
August	1, 1925	6.12	17.04	7.64	11.17
September	5, 1925	8.27	20.60	11.45	13.95
October	3, 1925	10.55	22.20	13.62	13.99
November	7, 1925	10.54	21.69	14.45	15.66
December	4, 1925	10.54	21.48	13.87	14.82
January	1, 1926	9.24	19.67	12.46	14.48
February	5, 1926	9.21	19.84	12.27	13.43
March	5, 1926	9.77	20.70	14.78	14.00
April	2, 1926	8.25	17.23	12.89	13.23
May	7, 1926	7.70	16.42	12.29	12.62
June	4, 1926	6.58	15.19	11.32	11.13
July	2, 1926	5.64	13.26	10.61	10.94
August	6, 1926	7.36	16.72	12.46	11.13
September	3, 1926	8.74	17.60	13.52	11.31
October	1, 1926	11.22	20.08	16.70	15.28
November	5, 1926	10.70	19.37	15.39	15.24
December	3, 1926	10.42	19.55	13.74	14.27
January	7, 1927	8.49	18.88	12.51	13.00

These weekly average margins show the spread between the price of cotton after making an allowance for waste and the price of yarns and cloths.

United States Exports of Cotton Machinery, 1926

Source: United States Department of Commerce

COUNTRY OF DESTINATION	Looms	Carding Machinery	Spinning and Twisting Machinery	Knitting Machinery	Other Cotton Machinery
Belgium	—	—	—	\$27,530	—
France	\$142,488	—	\$49	181,804	\$3,506
Germany	67,256	—	244,564	113,559	10,417
Italy	45,706	—	463	201,613	99,445
Netherlands	100	—	—	4,561	—
Poland and Danzig	604	—	—	—	—
Spain	43,536	—	—	65,629	11,886
United Kingdom	16,095	—	11,463	1,417,333	24,673
Canada	212,980	\$28,913	73,861	680,848	245,044
Mexico	4,811	—	7,482	167,799	58,781
Argentina	2,100	1,485	2,355	214,027	11,540
Brazil	3,061	499	48	193,378	4,969
Chile	1,277	1,747	—	76,513	304
Colombia	6,900	—	—	13,891	16,276
British India	—	20	—	15,716	13,500
China	2,365	1,649	179,338	54,652	118,530
Hongkong	—	—	—	10,196	1,663
Japan	57,708	465	15,503	89,305	141,481
Australia	83,666	778	—	505,789	16,826
Total	\$697,894	\$38,376	\$542,881	\$4,461,856	\$797,863

World's Cotton Spindles ¹

As compiled by leading authorities

YEARS	United States Bureau of the Census	Shepperson's Cotton Facts	Comtelburo's Cotton Handbook	International Federation of Master Cotton Spinners
1900	105,681,000	—	103,115,000	—
1901	—	107,395,000	102,715,145	—
1902	—	—	111,802,010	—
1903	—	—	112,854,077	—
1904	—	—	114,394,712	—
1905	116,764,438	—	118,254,146	—
1906	120,090,595	—	123,229,202	—
1907	123,332,971	124,320,000	126,594,000	114,096,168
1908	130,054,408	—	129,346,714	128,923,659
1909	133,377,000	—	136,903,457	131,503,062
1910	134,526,000	—	139,608,000	133,384,794
1911	137,792,000	—	141,625,000	137,278,752
1912	140,996,000	—	143,142,000	140,693,103
1913	143,398,000	143,730,000	147,191,000	143,452,659
1914	146,397,000	144,980,000	148,891,000	144,704,012
1915	—	148,226,000	150,737,000	—
1916	—	149,785,000	151,667,000	—
1917	148,500,000	151,200,000	154,310,000	—
1918	150,000,000	149,400,000	—	—
1919	150,000,000	153,505,000	153,799,000	—
1920	154,600,000	151,313,000	156,163,000	154,201,462
1921	153,010,000	147,922,000	157,081,000	152,317,054
1922	157,020,000	157,061,000	158,795,000	154,555,267
1923	157,000,000	156,811,000	162,357,000	156,353,000
1924	159,109,000	157,536,464	163,948,835	158,047,000
1925	161,832,000	158,746,784	166,090,536	161,363,000
1926	164,210,000	161,484,000	171,092,662	163,723,000

¹ For those years for which no statistics are given the authorities here quoted either did not compile estimates or their estimates are not available.

Calculated Total World's Cotton Spinning Spindles (000's 1926, on Basis of Returns made to the

	COUNTRIES	TOTAL ESTIMATED NUMBER OF SPINNING SPINDLES		MULE SPINDLES	
		HALF YEAR ENDING		HALF YEAR ENDING	
		July 31, 1926	Jan. 31, 1926	July 31, 1926	Jan. 31, 1926
	Europe:				
1	Great Britain	57,286	57,404	43,870	43,755
2	Germany	10,480	10,300	4,774	4,741
3	France	9,511	9,446	3,804	3,778
4	Russia	7,246 ¹	7,246	2,898	2,898
5	Italy	4,833	4,750	731	755
6	Czecho-Slovakia	3,568	3,520	1,755	1,765
7	Belgium	1,854	1,829	474	474
8	Spain	1,817	1,813	624	621
9	Switzerland	1,529	1,529	794	794
10	Poland	1,375	1,209	437	384
11	Austria	1,032	1,025	446	441
12	Holland	921	853	246	218
13	Sweden	571	560	97	95
14	Portugal	503	503	173	173
15	Finland	255	252	58	58
16	Denmark	94	94	8	8
17	Norway	53	58	14	13
18	Total	102,928	102,391	61,203	60,971
	Asia:				
19	India	8,510	8,510	977	977
20	Japan	5,573	5,447	34	34
21	China	3,436	3,350	—	—
22	Total	17,519	17,307	1,011	1,011
	America:				
23	U. S. A.	37,585	37,844	2,588	2,588
24	Canada	1,167	1,171	223	228
25	Mexico	830	826	5	5
26	Brazil	2,493	2,356	3	3
27	Total	42,075	42,197	2,819	2,824
28	Sundries	1,201	1,077	123	108
29	Grand totals	163,723	162,972	65,156	64,914

¹ Russia: Of these only 5,289,010 are being worked.² Approximate.

omitted) for the Half Years July 31st, 1926, and January 31st,
International Cotton Federation's Statistics

RING SPINDLES		SPINDLES SPINNING EGYPTIAN COTTON		SPINDLES IN COURSE OF ERECTION		
HALF YEAR ENDING		HALF YEAR ENDING		HALF YEAR ENDING		
July 31, 1926	Jan. 31, 1926	July 31, 1926	Jan. 31, 1926	July 31, 1926	Jan. 31, 1926	
13,416	13,649	19,466	19,106	189	285	1
5,706	5,559	1,009	813	204	333	2
5,707	5,668	2,300	2,200	99	103	3
4,348	4,348	300	320	—	—	4
4,102	3,995	477	372	57	113	5
1,813	1,755	427	456	12	68	6
1,380	1,355	13	30	35	57	7
1,193	1,192	155	155	—	—	8
735	735	796	745	19	9	9
938	825	151	121	7	6	10
586	584	44	42	8	3	11
675	635	—	—	79	73	12
474	465	9	8	9	4	13
330	330	3	2	—	—	14
197	194	10	10	1	2	15
86	86	—	—	—	—	16
39	45	—	—	—	—	17
41,725	41,420	25,160	24,380	719	1,056	18
7,533	7,533	69	5	51	106	19
5,539	5,413	552	485	200	150	20
3,436	3,350	—	—	13	3	21
16,508	16,296	621	490	264	259	22
34,997	35,256	2,000	2,000 ²	?	—	23
944	943	38	10	17	—	24
825	821	—	—	8	8	25
2,490	2,353	—	—	117	288	26
39,256	39,373	2,038	2,010	142	296	27
1,078	969	60	75	11	8	28
98,567	98,058	27,879	26,955	1,136 ³	1,619 ³	29

² This figure does not include American spindles, particulars of which are not supplied by the Bureau of the Census.

Active Cotton Spindles in the United States, by States

Source: United States Bureau of the Census

	1921	1922	1923	1924	1925	1926
New England States:						
Maine	1,114,020	1,121,527	1,137,651	1,133,732	1,130,728	1,104,054
New Hampshire	1,428,415	1,376,483	1,384,757	1,238,078	1,245,968	1,227,662
Vermont	144,808	144,808	144,808	144,808	144,808	115,702
Massachusetts	11,582,691	11,235,406	11,222,741	10,589,228	9,766,276	9,488,374
Rhode Island	2,766,426	2,746,721	2,837,903	2,732,520	2,524,842	2,455,046
Connecticut	1,351,429	1,313,860	1,325,856	1,227,670	1,162,820	1,134,834
Total New England States	18,387,789	17,938,805	18,053,716	17,066,036	15,975,442	15,525,672
Other Non-Cotton-growing States:						
New York	990,252	963,583	1,000,234	951,640	873,180	830,652
New Jersey	421,699	424,591	440,560	437,854	480,112	405,324
Pennsylvania	221,311	185,550	164,507	169,216	145,788	141,514
Maryland	142,792	112,936	112,024	104,500	92,252	92,724
Indiana	80,256	79,256	80,756	81,480	81,980	81,984
Illinois	51,640	57,432	58,720	58,782	57,896	56,804
Other	42,640	39,420	39,124	35,652	36,554	41,142
Total Other Non-Cotton-growing States	1,950,590	1,862,768	1,895,925	1,839,124	1,764,762	1,650,144
Cotton-growing States:						
Virginia	585,650	628,538	654,785	688,870	694,354	694,642
North Carolina	5,152,121	5,251,467	5,463,547	5,763,334	5,909,666	5,943,208
South Carolina	5,006,258	5,081,609	5,107,038	5,215,828	5,295,170	5,347,050
Georgia	2,640,800	2,598,070	2,682,730	2,757,480	2,807,756	2,900,994
Alabama	1,281,444	1,281,861	1,294,512	1,356,638	1,421,884	1,441,522
Mississippi	159,372	172,612	178,508	177,508	142,212	140,692
Tennessee	413,589	424,560	437,168	459,160	468,564	546,604
Kentucky	95,288	93,184	92,684	91,284	92,762	93,890
Louisiana	103,128	97,128	94,748	94,748	89,564	95,564
Texas	166,468	168,192	175,104	193,100	225,862	226,272
Other	104,870	108,944	129,536	146,228	144,248	144,012
Total Cotton-growing States	15,708,988	15,906,165	16,310,360	16,944,178	17,292,042	17,574,450
Total United States	36,047,367	35,707,738	36,260,001	35,849,338	35,032,246	34,750,266

Cotton Spindles in Place and Spindle Hours, by Months

Source: United States Bureau of the Census

MONTH AND STATE	COTTON SPINDLES IN PLACE			ACTIVE SPINDLE HOURS		
	1925-26	1924-25	1923-24	1925-26	1924-25	1923-24
MONTHS						
United States:						
August	37,913,678	37,868,968	37,410,388	6,935,296,870	5,434,436,281	7,543,166,431
September	37,893,264	37,901,344	37,456,968	7,106,620,234	6,471,791,548	7,506,127,463
October	37,894,066	37,906,230	37,524,136	7,963,201,278	7,655,209,854	8,407,143,061
November	37,907,748	37,899,058	37,576,098	7,824,865,192	7,143,314,102	8,021,988,231
December	37,871,936	37,939,772	37,620,324	8,261,296,953	7,841,016,264	7,152,234,451
January	37,841,892	37,925,698	37,723,368	8,353,410,777	8,553,990,895	8,346,739,363
February	37,858,358	37,890,576	37,725,332	8,120,989,511	7,892,607,663	7,099,773,416
March	37,856,574	37,805,122	37,743,958	9,168,726,450	8,614,547,421	7,071,494,954
April	37,711,754	37,808,900	37,763,106	8,344,768,781	8,520,044,774	6,775,823,019
May	37,701,534	37,842,464	37,785,414	7,502,511,278	7,931,831,847	5,908,438,000
June	37,680,268	37,843,208	37,812,164	7,607,036,127	7,686,275,664	5,344,271,040
July	37,586,166	37,928,792	37,804,048	6,750,357,310	7,309,549,004	5,182,493,618
Cotton-growing States:						
August	17,633,312	17,238,176	16,471,026	4,276,181,226	3,355,675,020	4,456,159,678
September	17,659,356	17,292,194	16,533,760	4,386,448,950	4,087,220,552	4,409,612,099
October	17,704,802	17,296,496	16,619,138	4,771,823,551	4,858,259,078	4,838,758,068
November	17,721,354	17,299,084	16,687,216	4,884,528,910	4,561,827,959	4,653,584,790
December	17,747,124	17,358,138	16,734,332	5,085,915,069	4,623,100,481	4,071,199,038
January	17,743,152	17,396,394	16,803,700	5,290,802,703	5,260,626,243	5,024,068,901
February	17,770,718	17,421,466	16,846,542	5,076,624,154	4,786,824,859	4,223,105,203
March	17,834,932	17,429,278	16,922,768	5,633,371,248	5,187,082,773	4,315,537,290
April	17,842,468	17,461,172	17,019,124	5,219,404,701	5,129,572,735	4,136,631,416
May	17,852,144	17,495,584	17,072,058	4,678,043,827	4,832,480,926	3,743,338,688
June	17,864,412	17,520,574	17,129,120	4,778,964,829	4,725,126,122	3,400,515,954
July	17,874,750	17,634,948	17,226,118	4,435,605,222	4,504,269,940	3,326,046,554
New England:						
August	18,327,346	18,563,624	18,923,550	2,391,972,175	1,871,881,644	2,775,639,087
September	18,272,552	18,566,804	18,905,324	2,398,740,145	2,108,483,594	2,780,235,963
October	18,240,142	18,576,944	18,885,836	2,831,183,492	2,450,286,519	3,181,381,276
November	18,237,380	18,573,908	18,867,680	2,613,175,387	2,284,041,965	2,991,441,193
December	18,174,838	18,560,372	18,866,506	2,800,407,533	2,866,553,619	2,771,004,516
January	18,171,722	18,535,054	18,895,866	2,716,634,079	2,923,600,675	2,968,643,386
February	18,164,642	18,498,704	18,865,068	2,721,948,581	2,787,257,919	2,563,104,411
March	18,170,398	18,406,942	18,807,480	3,171,486,487	3,069,881,237	2,434,308,596
April	18,092,890	18,381,336	18,736,200	2,775,785,636	2,997,308,450	2,347,449,462
May	18,072,214	18,384,182	18,701,512	2,532,002,300	2,746,459,513	1,914,198,496
June	18,039,500	18,363,264	18,669,828	2,521,842,750	2,617,707,672	1,716,575,298
July	17,946,160	18,332,654	18,575,712	2,066,249,346	2,477,752,061	1,658,285,184

United States Cotton Spinning Spindles in Place, by States

Source: United States Bureau of the Census

YEAR	Massachusetts	Rhode Island	New Hampshire	Maine	Connecticut	Vermont	New York	New Jersey	Pennsylvania	Maryland
1880	4,236,084	1,761,569	944,053	695,924	936,376	55,081	561,658	232,221	425,391	125,706
1890	5,872,852	1,959,291	1,198,643	892,762	939,155	71,591	629,324	374,442	496,551	161,786
1900	7,932,883	1,976,198	1,249,875	848,377	1,064,016	100,028	764,492	431,730	336,509	154,064
1905	8,388,533	2,055,912	1,332,075	904,490	1,034,915	100,382	878,276	438,372	339,924	154,968
1906	8,790,793	2,130,958	1,296,445	912,593	1,174,527	102,264	806,254	417,679	288,143	134,112
1907	9,167,698	2,231,461	1,357,877	1,007,717	1,268,065	130,752	1,011,368	440,354	400,395	151,384
1908	9,446,380	2,388,105	1,320,503	978,188	1,240,296	107,324	928,316	447,029	268,310	151,000
1909	9,688,637	2,399,440	1,313,581	1,005,258	1,253,582	105,184	942,521	460,888	275,654	152,266
1910	9,703,573	2,412,272	1,440,173	1,037,176	1,282,232	105,184	970,445	463,403	297,799	153,010
1911	10,613,290	2,526,995	1,462,788	1,066,552	1,270,071	105,276	963,969	483,037	280,202	160,114
1912	11,066,846	2,552,743	1,453,778	1,052,674	1,307,907	136,892	925,576	485,176	265,715	158,168
1913	11,075,684	2,533,380	1,469,137	1,096,986	1,308,650	136,304	956,595	476,731	249,857	162,288
1914	11,046,990	2,574,942	1,466,580	1,117,228	1,340,482	136,304	967,578	477,779	252,685	166,240
1915	10,914,087	2,567,644	1,468,390	1,104,209	1,335,282	136,304	963,748	481,255	259,965	157,380
1916	11,104,810	2,611,553	1,465,013	1,108,790	1,362,186	135,864	913,979	482,831	256,913	151,904
1917	11,280,351	2,653,397	1,459,853	1,099,278	1,372,860	135,864	938,158	491,843	256,314	147,764
1918	11,512,247	2,683,451	1,462,462	1,096,255	1,376,554	135,864	983,893	487,755	262,896	153,531
1919	11,630,397	2,678,180	1,444,074	1,111,940	1,387,517	141,224	980,321	489,647	266,003	145,208
1920	11,758,613	2,675,892	1,443,776	1,127,138	1,392,547	144,808	997,542	417,837	259,715	145,460
1921	11,810,563	2,805,538	1,457,428	1,126,452	1,388,949	144,808	1,017,163	424,145	268,878	142,792
1922	11,922,573	2,829,202	1,448,660	1,146,440	1,364,656	144,808	1,019,528	433,983	236,263	130,024
1923	11,951,334	2,876,708	1,449,700	1,140,928	1,366,668	144,808	1,037,418	447,152	203,305	131,104
1924	11,792,160	2,797,766	1,448,406	1,137,704	1,254,868	144,808	1,024,290	442,424	195,309	131,296
1925	11,597,424	2,787,638	1,445,734	1,118,236	1,238,814	144,808	995,878	513,032	157,780	94,152
1926	11,417,406	2,612,680	1,438,662	1,130,568	1,202,036	144,808	916,126	415,604	142,722	92,724

United States Cotton Spinning Spindles in Place, by States — (Concluded)

Source: United States Bureau of the Census

YEAR	Alabama	Georgia	Louisiana	Mississippi	North Carolina	South Carolina	Tennessee	Texas	Virginia
1880	49,432	198,656	—	18,568	93,385	82,334	35,736	—	44,340
1890	79,234	445,452	46,200	57,004	337,786	332,784	97,524	15,000	94,294
1900	411,328	815,545	55,600	75,122	1,133,432	1,431,349	123,896	48,756	126,827
1905	738,087	1,316,573	59,052	125,352	1,880,950	2,864,092	153,375	68,170	193,062
1906	870,154	1,573,450	95,200	165,188	2,396,703	3,367,204	258,794	101,759	253,206
1907	904,244	1,682,506	88,724	173,064	2,681,386	3,609,969	253,148	109,892	272,710
1908	939,942	1,792,790	89,552	173,216	2,944,404	3,713,006	265,198	106,924	295,579
1909	984,534	1,831,742	89,152	176,640	3,010,367	3,819,149	272,856	106,528	315,676
1910	968,239	1,833,244	87,070	185,280	3,062,061	3,833,901	272,774	108,778	329,174
1911	967,564	1,980,813	86,588	183,662	3,353,706	4,187,317	253,460	113,100	372,816
1912	985,968	2,025,238	86,088	191,092	3,403,996	4,327,178	254,278	114,352	414,148
1913	1,000,080	2,103,018	86,095	192,306	3,593,999	4,536,353	271,634	123,908	426,920
1914	1,038,685	2,160,571	86,095	190,216	3,813,940	4,632,204	296,620	124,628	477,886
1915	1,075,859	2,178,573	79,763	184,636	3,915,842	4,710,826	320,052	124,848	513,434
1916	1,126,846	2,275,929	79,563	166,984	4,053,206	4,743,193	319,148	128,762	516,166
1917	1,136,786	2,422,810	93,408	167,604	4,375,283	4,851,161	350,352	128,112	528,394
1918	1,169,624	2,482,131	96,832	166,932	4,591,026	4,903,840	367,503	132,236	524,194
1919	1,292,294	2,518,059	102,944	155,756	4,789,322	4,955,765	373,695	140,054	580,310
1920	1,215,268	2,542,155	103,128	174,714	4,954,935	4,974,460	399,963	145,054	575,610
1921	1,283,096	2,648,325	103,128	176,778	5,228,266	5,013,538	415,593	166,468	488,982
1922	1,300,699	2,679,379	101,128	172,612	5,292,880	5,090,088	427,832	168,192	633,870
1923	1,330,162	2,693,535	100,748	178,508	5,509,183	5,132,364	438,696	176,444	673,306
1924	1,392,778	2,798,242	100,748	182,508	5,858,762	5,263,258	456,992	207,248	707,314
1925	1,432,378	2,885,166	100,748	185,192	5,982,076	5,321,264	544,424	239,596	711,314
1926	1,470,024	2,911,590	95,564	177,836	6,075,168	5,355,320	567,500	239,828	711,314

Spindles in Place and Spindle Hours, by States

Source: United States Bureau of the Census

STATES	COTTON SPINDLES IN PLACE			ACTIVE SPINDLE HOURS		
	1925-26	1924-25	1923-24	1925-26	1924-25	1923-24
Total	37,586,166	37,928,792	37,804,048	93,941,080,761	91,054,615,317	84,359,693,047
Cotton-growing	17,874,750	17,634,948	17,226,118	58,517,714,390	55,912,066,688	50,598,557,682
New England	17,946,160	18,332,654	18,575,712	31,541,427,911	31,201,214,868	30,102,266,868
All other	1,765,256	1,961,190	2,002,218	3,881,938,460	3,941,333,761	3,658,868,497
Alabama	1,470,024	1,432,378	1,392,778	4,785,353,212	4,310,503,544	3,967,554,144
Connecticut	1,202,036	1,238,814	1,254,868	2,441,473,291	2,530,223,753	2,656,603,557
Georgia	2,911,590	2,855,166	2,798,242	9,315,107,275	8,953,643,722	7,898,098,472
Maine	1,130,568	1,118,236	1,137,704	2,139,527,649	2,176,234,432	2,164,007,723
Massachusetts	11,417,406	11,597,424	11,792,160	18,938,121,787	18,666,085,567	17,762,675,018
New Hampshire	1,438,662	1,445,734	1,448,406	2,572,495,341	2,308,269,862	1,890,176,304
New Jersey	415,604	513,032	442,424	957,155,975	1,080,315,700	898,994,671
New York	916,126	995,878	1,032,450	1,920,849,537	1,907,877,530	1,842,155,603
North Carolina	6,075,168	5,982,076	5,861,366	19,952,947,406	19,606,791,926	17,332,650,667
Pennsylvania	142,722	157,780	195,300	309,590,029	314,272,931	317,883,166
Rhode Island	2,612,680	2,787,638	2,797,766	5,217,301,431	5,254,543,995	5,377,943,296
South Carolina	5,355,320	5,321,264	5,266,378	18,826,171,662	18,007,339,810	16,605,845,707
Tennessee	567,500	544,424	458,192	1,662,560,879	1,365,884,854	1,322,132,639
Texas	239,828	239,596	207,248	791,595,476	649,519,775	527,141,951
Virginia	711,314	711,314	707,314	1,770,597,532	1,674,266,691	1,570,753,232
All other States	979,618	988,038	1,011,452	2,340,232,279	2,248,841,225	2,225,076,897

Spindles in Place in Leading Counties, 1926

Source: United States Bureau of the Census

COUNTY	Spindles (Number)	COUNTY	Spindles (Number)	COUNTY	Spindles (Number)
Bristol, Mass.	7,502,920	Madison, Ala.	271,360	Durham, N. C.	174,928
Providence, R. I.	1,718,462	Hudson, N. J.	268,904	Calhoun, Ala.	168,612
Gaston, N. C.	1,137,502	York, S. C.	264,444	Talladega, Ala.	168,598
Middlesex, Mass.	1,000,428	Richmond, N. C.	260,636	Tallahpoosa, Ala.	168,024
Spartanburg, S. C.	946,120	Richland, S. C.	251,348	Lancaster, S. C.	163,928
Hillsboro, N. H.	897,868	Greenwood, S. C.	249,256	Floyd, Ga.	162,188
Greenville, S. C.	768,764	Albany, N. Y.	229,960	Kennebec, Me.	157,768
Worcester, Mass.	701,268	Pickens, S. C.	229,128	Chester, S. C.	149,000
Hampden, Mass.	687,520	Cherokee, S. C.	227,300	Halifax, N. C.	147,080
Windham, Conn.	659,784	Bristol, R. I.	226,164	Cumberland, Me.	146,952
Essex, Mass.	645,428	Laurens, S. C.	199,312	Spalding, Ga.	140,968
Anderson, S. C.	601,492	Hampshire, Mass.	211,080	Catawba, N. C.	134,968
Berkshire, Mass.	562,670	Fulton, Ga.	206,748	Davidson, N. C.	130,636
Kent, R. I.	547,362	Rutherford, N. C.	204,236	Iredell, N. C.	120,908
New London, Conn.	501,580	Rockingham, N. C.	200,452	McDowell, N. C.	114,464
Pittsylvania, Va.	467,440	Aiken, S. C.	198,656	Merrimaek, N. H.	112,700
Muscogee, Ga.	447,212	Rowan, N. C.	193,884	Lincoln, N. C.	111,860
Androscoggin, Me.	427,424	Troup, Ga.	192,560	Robeson, N. C.	110,176
Cabarrus, N. C.	407,176	Richmond, Ga.	189,832	Caldwell, N. C.	106,552
York, Me.	398,424	Cleveland, N. C.	188,620	Newton, Ga.	104,396
Oneida, N. Y.	371,420	Alamance, N. C.	187,156	Coweta, Ga.	103,952
Union, S. C.	340,260	Waynberry, S. C.	185,400	Hall, Ga.	103,156
Stratford, N. H.	325,700	Chambers, Ala.	184,360	Vance, N. C.	101,184
Mecklenburg, N. C.	310,088	Knox, Tenn.	182,196	Hamilton, Tenn.	100,136
Guilford, N. C.	305,224	Stanly, N. C.	180,248		

Active Ring and Mule Spindles

Source: United States Bureau of the Census

STATE	NUMBER OF ACTIVE COTTON SPINDLES							
	1926		1919		1909		1899	
	Ring	Mule	Ring	Mule	Ring	Mule	Ring	Mule
United States	32,797,096	1,953,170	31,561,268	3,369,666	23,256,023	4,922,839	13,444,872	5,563,480
Alabama	1,441,522	-	1,170,658	3,640	909,587	3,916	403,328	8,000
Connecticut	801,818	333,016	932,813	402,578	832,830	446,586	607,448	393,126
Georgia	2,874,686	26,308	2,451,101	48,230	1,703,071	71,896	730,619	84,926
Illinois	56,804	-	45,838	11,705	23,240	16,000	15,488	16,000
Indiana	81,984	-	81,256	-	115,152	8,952	86,168	16,320
Kentucky	80,236	13,654	76,968	16,520	68,124	16,920	48,234	18,399
Louisiana	95,564	-	102,944	-	63,096	4,806	55,600	-
Maine	1,086,294	17,760	1,064,892	42,160	867,364	161,316	584,573	256,948
Maryland	92,724	-	140,940	-	133,302	-	154,064	-
Massachusetts	8,495,564	992,810	9,743,150	1,633,153	7,480,902	2,156,699	5,228,371	2,556,316
Mississippi	140,692	-	143,874	-	159,104	800	75,122	-
Missouri	28,864	360	31,336	600	30,304	440	13,654	-
New Hampshire	1,209,056	18,600	1,410,947	23,008	1,169,850	156,050	956,390	287,165
New Jersey	238,016	167,308	204,355	276,012	107,381	313,403	64,638	367,092
New York	819,354	11,298	862,981	113,608	547,512	415,329	353,132	367,136
North Carolina	5,930,600	12,608	4,736,288	33,840	2,886,453	71,782	1,098,080	35,352
Pennsylvania	123,754	17,760	155,228	96,605	139,062	139,245	182,190	124,447
Rhode Island	2,138,774	316,272	2,037,036	634,896	1,496,434	875,343	940,294	940,328
South Carolina	5,316,250	800	4,907,745	2,460	3,732,063	28,828	1,420,597	10,752
Tennessee	536,604	10,000	355,138	13,401	237,530	10,000	103,116	20,780
Texas	226,272	-	140,054	-	97,628	-	48,756	-
Vermont	105,502	10,200	131,024	10,200	75,872	15,840	56,712	43,316
Virginia	690,232	4,410	552,440	7,050	316,970	7,572	124,502	2,325
All other States	155,930	-	82,262	-	63,192	1,116	93,796	14,752

Number of Active Ring and Mule Cotton Spindles in the United States, for Selected Years, 1889 to 1926

United States Bureau of the Census

YEAR	Total	Ring	Mule
1926	34,750,266	32,797,096	1,953,170
1925	35,032,246	32,959,642	2,072,604
1924	35,849,338	33,529,602	2,319,736
1923	36,260,001	33,786,015	2,473,986
1922	35,707,738	33,089,667	2,618,071
1921	36,047,367	32,993,331	3,054,036
1920	35,480,953	32,222,325	3,258,628
1919	34,930,934	31,561,268	3,369,666
1918	34,542,665	31,020,749	3,521,916
1917	33,888,835	30,264,074	3,624,761
1916	32,805,883	29,094,263	3,711,620
1915	31,964,235	28,122,792	3,841,443
1914	32,107,572	28,016,390	4,091,182
1913	31,519,766	27,380,573	4,139,193
1912	30,578,528	26,211,979	4,366,549
1909	28,178,862	23,256,023	4,922,839
1904	23,672,064	18,218,800	5,453,264
1899 ¹	19,008,352	13,444,872	5,563,480
1889 ¹	14,188,103	8,824,617	5,363,486

¹ Includes only spindles in establishments classified as cotton goods.

Cotton Mills in Southern States

Source: New Orleans Cotton Exchange

STATES	1920	1921	1922	1923	1924	1925	1926
Virginia	14	14	14	14	14	14	14
North Carolina	414	420	425	437	444	445	448
South Carolina	201	201	202	206	201	205	207
Georgia	160	161	161	164	167	166	170
Alabama	79	81	83	84	84	85	88
Mississippi	17	18	18	18	18	18	17
Tennessee	25	25	25	28	28	29	29
Kentucky	7	6	6	5	6	6	6
Missouri	2	2	2	2	2	2	2
Arkansas	2	2	2	2	2	3	3
Louisiana	5	5	5	5	5	5	4
Texas	18	21	22	22	25	30	32
Oklahoma	1	1	1	2	2	2	2
Total	945	957	966	989	998	1,010	1,022

Looms in Southern Cotton Mills

Source: New Orleans Cotton Exchange

STATES	1920	1921	1922	1923	1924	1925	1926
Virginia	16,368	17,895	18,487	19,327	19,320	19,328	19,388
North Carolina	71,114	73,233	74,554	81,366	84,615	85,976	86,011
South Carolina	115,432	115,415	116,949	119,248	123,724	126,476	124,898
Georgia	46,939	47,331	47,966	50,019	50,933	51,846	53,479
Alabama	21,282	21,957	23,320	23,792	25,568	26,114	26,694
Mississippi	4,312	4,152	4,190	4,818	4,839	4,776	4,860
Tennessee	5,383	5,990	6,004	6,328	6,274	8,159	8,260
Kentucky	1,353	1,295	1,385	1,376	1,378	1,376	1,376
Missouri	730	730	730	730	730	580	580
Arkansas	161	133	150	150	—	—	203
Louisiana	2,018	2,018	2,018	2,229	2,329	2,329	2,429
Texas	3,928	4,035	4,419	5,745	5,976	6,124	6,517
Oklahoma	64	64	64	564	564	468	508
Total	289,084	294,248	300,236	315,692	326,250	333,552	335,203

The World's Cotton Mills, 1926

Source: Comtelburo's Cotton Handbook

COUNTRY		Mills	Spindles	Looms	Consumption (Bales)	Hands employed
Great Britain	1926	1,910	60,285,298	786,309	3,087,926	630,000
United States, North	1925	732	20,030,370	431,425	2,392,309	236,000
United States, South	1926	978	17,619,829	328,708	4,778,926	186,000
Canada	1925	52	1,670,442	36,197	244,196	28,500
Germany	1926	372	10,300,000	240,700	1,667,904	375,000
Russia	1926	167	10,827,500	270,712	929,174	459,055
Poland	1926	63	1,526,000	35,000	240,000	51,000
Finland	1926	6	255,300	6,200	33,000	7,350
Esthonia	1926	2	546,208	5,787	14,522	3,960
Latvia	1926	5	95,568	832	5,000	1,150
France	1926	575	9,590,000	182,500	1,156,000	198,500
Hungary	1926	36	106,000	8,500	22,000	8,000
Austria	1926	90	1,061,240	14,368	164,807	19,000
C. Slovakia	1926	86	3,542,299	110,000	342,000	120,000
Jugo-Slavia	1926	18	115,000	5,000	79,366	5,644
Switzerland	1926	64	1,522,391	26,325	113,620	27,300
Italy	1926	700	5,000,000	139,000	780,000	270,000
Spain	1926	300	1,900,000	71,000	350,000	125,000
Portugal	1926	52	503,000	22,000	75,000	30,000
Belgium	1926	71	2,132,000	29,510	228,000	19,360
Holland	1926	100	896,000	49,200	142,000	35,000
Sweden	1926	35	560,000	16,000	80,000	13,000
Norway	1926	15	67,900	2,724	7,000	2,650
Denmark	1926	41	97,084	5,891	19,496	4,051
Turkey	1925	1	5,000	—	3,325	—
Bulgaria	1923	8	27,311	560	—	250
Cyprus	1926	1	1,800	—	500	70
Greece	1923	76	163,000	1,670	30,000	9,145
Egypt	1926	1	40,000	800	8,000	1,000
Asia Minor	1925	7	55,000	3,325	36,750	3,030
India	1925	337	8,510,633	154,262	2,226,310	367,877
China	1926	118	3,461,152	22,924	1,800,000	210,000
Japan	1926	242	5,292,040	71,702	2,612,000	174,140
Indo-China	1925	5	90,000	500	45,000	3,000
Brazil	1926	243	2,163,440	65,665	447,491	110,352
Argentina	1924	7	30,000	1,500	10,000	2,000
Chile	1916	3	5,000	400	—	454
Peru	1926	11	76,796	3,049	12,144	3,100
Columbia	1926	38	52,000	1,980	12,000	5,000
Ecuador	1923	11	15,000	200	12,000	10,000
Venezuela	1924	4	26,000	1,000	26,000	5,000
Guatemala	1925	1	5,000	150	5,984	500
Mexico	1926	151	824,061	30,506	155,829	42,671
Total (estimated)	.	7,735	171,092,662	3,184,081	24,395,579	3,803,109

Japanese Cotton Industry

Source: Japan Cotton Spinners' Association

YEARS	Number of Companies	Number of Mills	CAPITAL		Reserve Funds (Yen) ¹	NUMBER OF SPINDLES			Twisting Spindles	Looms
			Authorized (Yen) ¹	Paid-up (Yen) ¹		Ring	Mule	Total		
1905	49	—	40,082,350	33,563,700	9,531,622	1,343,534	83,060	1,426,594	134,840	8,140
1906	47	—	45,403,350	38,433,350	15,386,948	1,395,013	77,240	1,472,253	136,866	9,601
1907	42	118	90,036,300	57,531,125	20,966,234	1,492,032	48,420	1,540,452	154,789	9,462
1908	36	125	85,511,300	58,397,385	22,189,614	1,743,921	51,958	1,795,879	177,860	11,146
1909	31	134	75,871,300	64,501,000	22,784,470	1,903,854	51,038	1,954,892	227,574	13,813
1910	36	136	94,271,300	67,516,013	24,658,967	2,044,284	55,480	2,099,764	282,186	17,702
1911	34	139	89,160,150	64,347,161	24,788,872	2,117,756	53,040	2,170,796	286,410	20,431
1912	41	147	105,136,400	72,366,495	28,538,314	2,125,000	51,748	2,176,748	317,324	21,898
1913	44	152	113,036,401	86,444,059	33,803,119	2,365,094	49,405	2,414,499	320,912	24,224
1914	42	157	109,676,400	85,820,424	36,639,349	2,606,004	51,170	2,657,174	348,766	25,443
1915	41	161	110,176,400	86,011,677	38,663,064	2,754,124	53,390	2,807,514	355,318	30,068
1916	40	161	137,290,150	99,641,818	48,952,381	2,825,944	49,960	2,875,904	370,681	31,295
1917	43	170	162,830,150	115,623,020	70,037,275	3,008,568	51,910	3,060,478	383,458	36,181
1918	43	177	192,877,650	138,494,595	92,426,047	3,175,768	51,910	3,227,678	384,872	40,391
1919	54	190	221,927,650	165,758,695	139,073,869	3,435,932	52,330	3,488,262	410,690	44,401
1920	56	198	394,327,650	276,535,896	165,697,053	3,761,250	52,330	3,813,680	466,460	50,583
1921	61	217	429,577,650	295,648,358	182,040,774	4,116,616	44,510	4,161,126	538,384	54,994
1922	64	235	462,107,650	317,148,075	202,774,376	4,472,112	45,500	4,517,612	602,032	60,765
1923	60	228	463,977,650	323,787,485	211,298,943	4,183,596	14,370	4,197,966	501,031	61,421
1924	56	232	512,362,500	349,820,568	212,871,930	4,845,082	25,150	4,870,232	676,995	64,225
1925	54	230	509,212,500	351,804,817	221,777,742	5,151,962	33,670	5,185,632	715,946	68,160
1926	53	234	497,087,500	369,195,247	229,326,484	5,376,092	34,660	5,410,752	785,002	71,719

¹ Yen = \$0.4985 U. S.

Japanese Yarn Production

Source: Japan Cotton Spinners' Association

Years	Average Working Spindles	PRODUCTION OF COTTON YARN						DAILY OPERATIVES (AVERAGE)			WAGES (AVERAGE DAILY)	
		Course Yarn (Bales) ¹	Medium Yarn (Bales) ¹	Fine Yarn (Bales) ¹	Doubling (Bales) ¹	Gassed (Bales) ¹	Total (Bales) ¹	Males	Females	Total	Males (Rin) ²	Female ² (Rin) ²
1905	1,329,404	792,439.0	50,104.0	157.0	42,584.0	20,252.5	905,536.5	12,812	58,634	71,446	346	213
1906	1,404,714	826,363.0	55,125.0	148.0	43,376.5	20,155.0	945,167.5	14,496	61,278	75,774	365	228
1907	1,458,020	859,214.5	53,762.0	-	47,377.5	23,127.5	983,481.5	15,242	64,377	79,619	393	246
1908	1,367,631	738,659.0	54,171.0	-	59,555.5	26,185.0	878,570.5	15,049	56,154	74,203	410	250
1909	1,569,080	841,778.0	78,975.0	7.0	71,651.0	32,833.5	1,025,244.5	16,844	66,664	83,508	425	267
1910	1,741,168	964,675.0	63,637.5	1,814.5	74,436.5	30,217.0	1,134,780.5	18,266	75,614	93,880	434	272
1911	1,784,064	934,713.0	82,739.5	4,627.5	74,536.0	32,651.0	1,129,267.0	17,628	74,868	92,496	450	288
1912	1,984,191	1,090,172.5	119,893.5	6,722.5	95,683.5	39,737.5	1,352,209.5	18,421	80,779	99,200	467	305
1913	2,167,926	1,212,001.5	142,409.0	8,666.5	109,996.0	44,909.0	1,517,982.0	19,707	88,038	107,745	485	320
1914	2,369,801	1,350,850.5	149,498.0	7,760.5	119,790.0	38,282.0	1,666,181.0	22,163	92,251	114,414	491	319
1915	2,463,376	1,360,259.0	187,761.0	8,096.5	130,536.5	33,611.5	1,720,264.5	22,674	92,500	115,174	495	322
1916	2,757,299	1,458,617.0	259,840.0	10,153.5	155,483.5	41,485.0	1,925,579.0	23,845	97,279	121,124	500	334
1917	2,850,637	1,421,978.0	287,259.5	7,730.5	164,850.0	42,023.0	1,923,841.5	25,518	97,648	123,166	545	371
1918	2,936,495	1,245,723.5	366,868.5	7,427.5	138,286.5	45,560.0	1,803,866.0	26,790	95,069	121,859	686	476
1919	3,179,568	1,285,926.0	422,967.5	9,292.0	156,542.5	46,144.5	1,920,782.5	30,935	101,399	131,839	1,116	870
1920	3,191,753	1,222,525.5	401,868.5	7,477.5	146,562.5	38,542.0	1,816,976.0	33,966	109,782	143,748	1,567	1,196
1921	3,162,353	1,276,600.5	346,148.5	6,199.5	141,136.0	41,265.5	1,811,350.0	34,904	105,704	140,608	1,463	1,134
1922	3,967,265	1,557,052.0	429,484.5	7,167.5	185,761.5	48,780.5	2,228,246.0	41,009	132,442	173,451	1,544	1,243
1923	4,079,855	1,484,705.5	449,274.5	10,175.0	177,472.5	49,525.5	2,171,153.0	38,159	121,811	159,970	1,483	1,180
1924	4,115,692	1,320,986.5	449,037.5	13,479.0	184,539.0	54,751.0	2,072,817.5	36,015	117,307	153,322	1,524	1,206
1925	4,669,753	1,541,615.5	587,005.5	16,145.0	229,079.5	62,938.0	2,436,783.5	39,221	134,383	173,604	1,548	1,224
1926	5,002,932	1,629,698.5	637,499.5	16,164.0	248,847.0	75,537.0	2,607,746.5	40,735	141,787	182,522	-	-

² Rin = 1/1000 yen = \$0.00049.¹ Bales of 400 pounds each.

Japanese Cotton Piece-goods Production

Source: Japan Cotton Spinners' Association

Years	Average Working Looms	Production of Cotton Piece-goods (Yards)	Yarn Consumed (Pounds)	DAILY OPERATIVES (AVERAGE)			WAGES (AVERAGE DAILY)	
				Male	Female	Total	Male (Rin) ¹	Female (Rin) ¹
1905	6,420	114,908,132	36,545,146	989	6,847	7,836	384	255
1906	8,491	137,773,415	40,702,848	1,248	7,937	9,185	393	259
1907	9,245	135,253,029	44,262,958	1,525	8,727	10,252	430	277
1908	9,496	147,443,838	47,676,427	1,484	8,683	10,167	448	294
1909	11,585	181,976,972	57,388,586	1,871	11,496	13,367	450	304
1910	14,911	226,313,958	71,197,654	2,486	13,604	16,090	459	305
1911	17,884	289,039,671	82,493,136	2,656	17,133	19,789	471	325
1912	20,208	342,584,684	93,592,721	2,795	18,006	20,801	503	349
1913	23,299	416,725,357	111,159,616	3,298	21,956	25,254	530	363
1914	24,911	454,901,674	123,863,966	3,569	22,459	26,028	555	379
1915	27,687	502,076,621	124,632,631	3,547	22,930	26,477	526	374
1916	30,110	560,181,108	136,413,408	3,737	23,245	26,982	534	407
1917	31,920	594,649,419	142,770,758	4,333	24,434	28,767	583	445
1918	36,395	656,935,420	160,301,569	5,532	29,713	35,245	721	531
1919	40,969	739,390,012	179,788,560	7,635	37,040	44,675	1,133	889
1920	44,635	762,037,360	189,651,320	8,005	39,048	47,053	1,572	1,174
1921	44,109	700,697,985	179,427,501	7,078	32,182	39,260	1,492	1,146
1922	51,033	869,327,652	214,327,505	7,857	38,102	45,959	1,544	1,243
1923	52,972	1,000,708,890	240,279,975	7,962	40,549	48,511	1,483	1,180
1924	56,351	1,030,905,658	241,319,095	8,179	43,056	51,235	1,525	1,174
1925	62,976	1,179,524,733	274,472,668	8,703	47,023	55,726	1,574	1,222
1926	65,699	1,277,726,954	294,334,545	9,216	48,177	57,392	—	—

¹ 1 Rin = 1/1000 yen = \$0.00049.

Indian Yarn Production

[In pounds]

Source: Department of Statistics, India

FISCAL YEARS ENDING MARCH 31	Counts 1-12	Counts 13-15	Counts 16-20	Counts 21-22	Counts 23-32	Counts over 32	Total All Counts
1910-11	207,509,950	44,618,417	70,603,683	193,755,597	78,880,416	14,164,373	609,532,436
1911-12	190,645,627	47,423,898	73,994,852	208,646,131	87,077,316	16,535,131	624,322,955
1912-13	239,721,030	51,639,093	76,859,501	207,838,060	94,751,753	16,901,358	687,760,795
1913-14	233,643,390	49,224,504	78,274,111	211,360,899	95,612,210	14,019,139	682,134,253
1914-15	220,194,466	54,167,997	76,490,272	198,116,252	89,770,944	12,769,510	651,509,441
1915-16	260,337,274	56,961,454	84,882,554	213,351,059	93,935,172	12,305,584	721,773,097
1916-17	219,750,231	57,248,165	85,604,890	200,028,983	100,319,084	17,808,941	680,760,249
1917-18	193,374,553	63,972,185	78,953,407	192,777,637	112,178,003	19,096,551	660,352,336
1918-19	161,285,869	62,346,415	76,268,029	184,250,594	116,623,790	14,034,609	614,809,306
1919-20	174,732,119	55,549,634	82,021,768	205,969,704	104,239,184	12,972,539	635,484,948
1920-21	175,376,300	63,323,383	84,695,402	213,209,760	114,152,207	8,890,653	659,647,705
1921-22	197,376,737	68,290,013	82,730,668	210,635,692	124,443,961	9,493,469	692,970,540
1922-23	191,167,444	70,430,162	83,620,475	227,658,639	123,667,661	9,090,148	705,634,529
1923-24	143,895,315	71,194,892	77,669,761	187,239,780	115,601,798	12,512,473	608,114,019
1924-25	165,030,312	78,205,247	226,574,692	94,823,239	138,667,812	16,088,692	719,389,994
1925-26	160,274,343	75,517,152	208,956,741	89,998,843	134,085,071	15,279,250	684,111,400

World Rayon Production by Countries

Source: United States Department of Commerce and "Textile World"

COUNTRY	1922 (Pounds)	1923 (Pounds)	1924 (Pounds)	1925 ¹ (Pounds)	1926 ¹ (Pounds)
United States	23,500,000	35,400,000	38,750,000	54,700,000	62,575,000
Italy	6,292,000	10,000,000	18,480,000	30,000,000	35,000,000
England	15,340,000	16,500,000	23,947,000	28,000,000	25,500,000
Germany	12,584,000	13,000,000	23,672,000	27,100,000	26,000,000
France	6,292,000	7,700,000	12,333,200	14,400,000	17,500,000
Belgium	6,292,000	6,000,000	8,874,800	11,100,000	13,100,000
Switzerland	1,887,600	3,700,000	4,004,000	5,500,000	8,000,000
Holland	2,516,800	2,600,000	3,336,000	4,400,000	13,500,000
Austria	1,573,000	—	2,640,000	3,560,000	3,500,000
Poland	943,800	—	1,540,000	2,200,000	2,000,000
Czecho-Slovakia	629,200	—	1,293,600	2,000,000	2,800,000
Japan	—	—	1,199,000	1,400,000	5,500,000
Hungary	1,887,600	—	616,000	700,000	600,000
Spain	—	—	184,800	220,000	300,000
Sweden	—	—	176,000	176,000	275,000
Russia	—	—	88,000	88,000	360,000
Other countries	—	2,100,000	—	—	—
Total	79,738,000	97,000,000	141,414,000	185,484,000	219,080,000

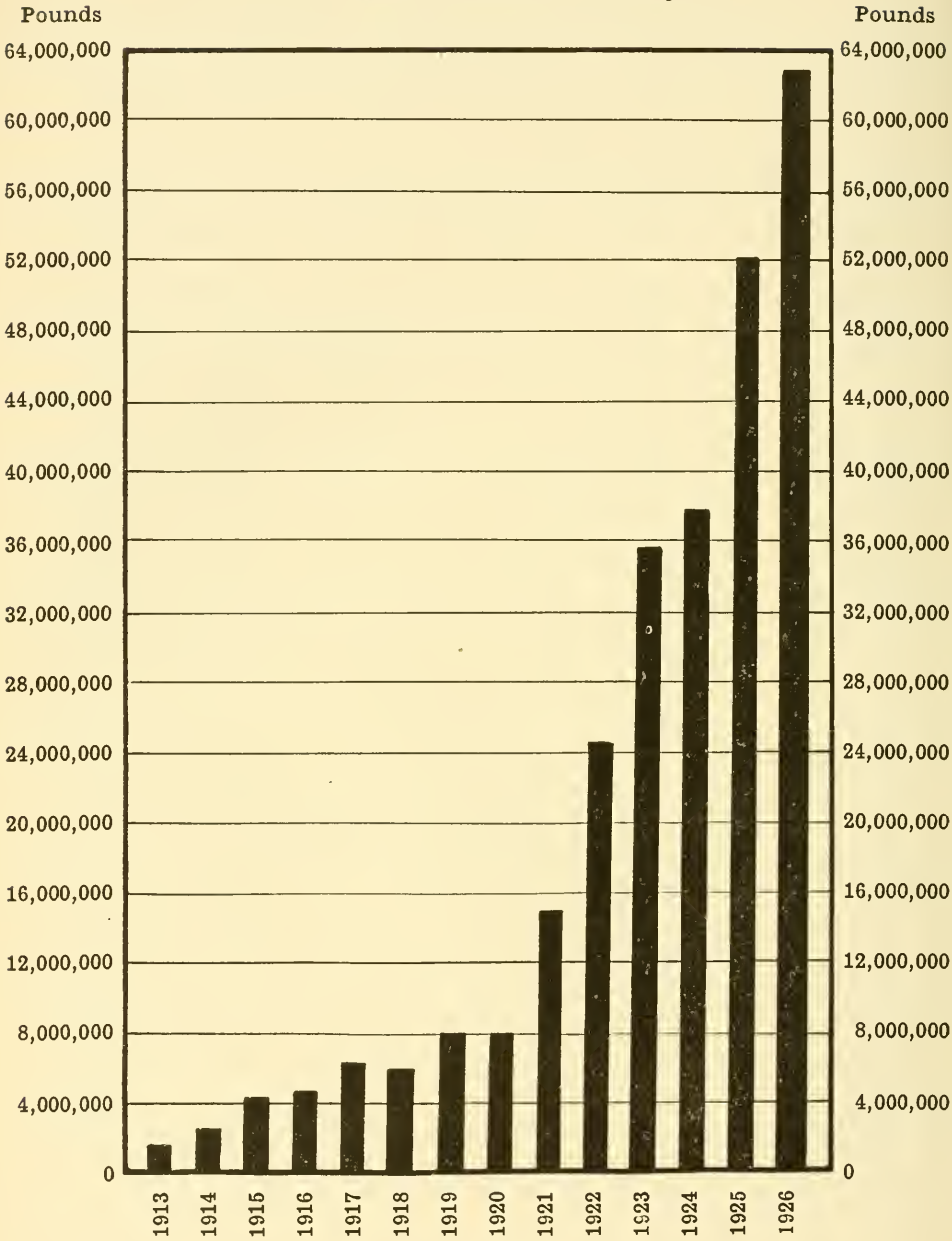
¹ Estimated.

Production, Exports, Imports, and Consumption of Rayon Yarns in 1926, in Pounds

Source: British Board of Trade

COUNTRY	Production (Pounds)	Exports (Pounds)	Imports (Pounds)	Consumption (Pounds)
United States	63,400,000	400,000	10,125,000	73,125,000
United Kingdom	25,500,000	5,425,496	1,799,980	21,874,484
Germany	26,000,000	8,200,000	10,100,000	27,900,000
France	17,500,000	2,396,680	2,167,660	17,270,980
Belgium	13,000,000	7,000,000	900,000	6,900,000
Netherlands	14,500,000	12,000,000	—	2,500,000
Italy	35,000,000	21,540,371	1,684,000	15,143,629

United States Production of Rayon



United States Production and Imports of Rayon

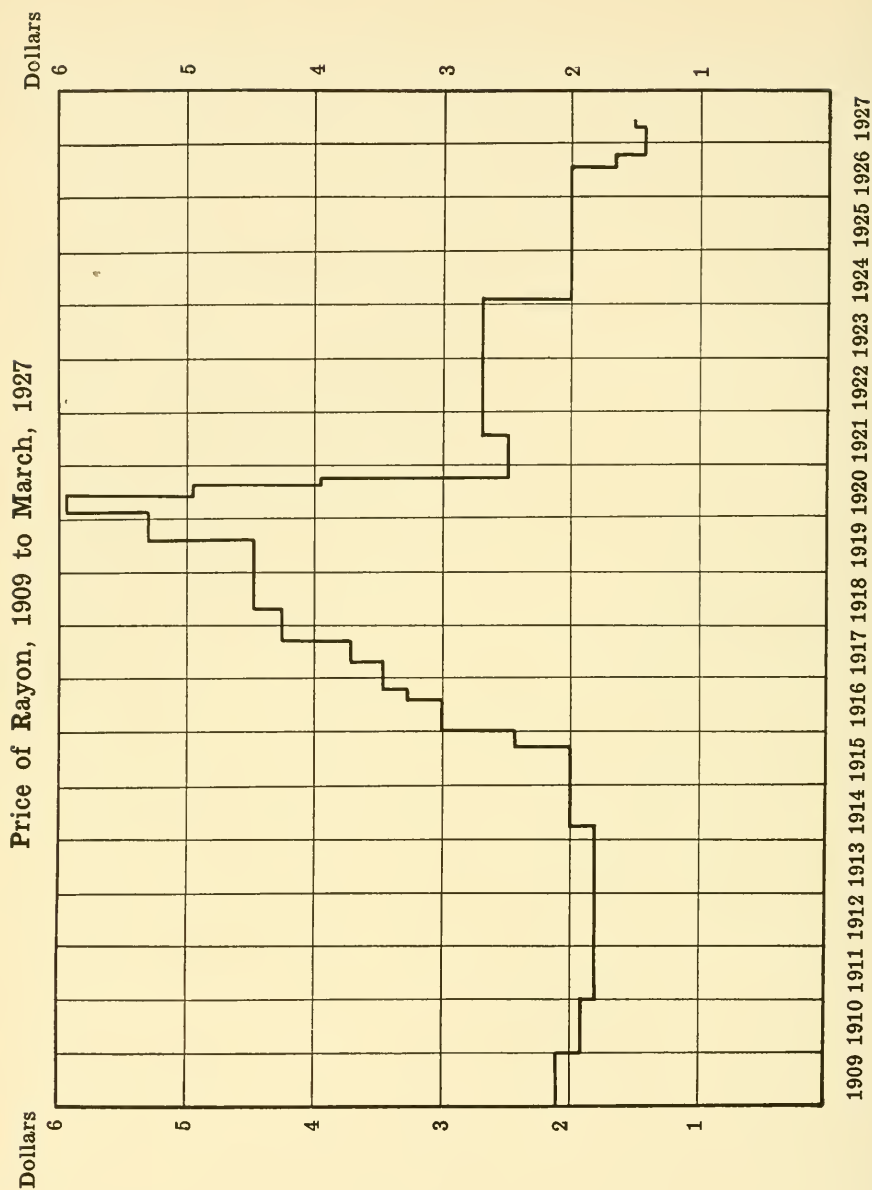
Source: Silk Association of America

YEAR	Production (Pounds)	Imports (Pounds)	Import Valuation (Per Pound)
1913	1,566,000	2,305,000	—
1914	2,445,000	2,923,000	\$1.25
1915	4,111,000	2,718,000	1.21
1916	4,744,000	864,000	1.95
1917	6,687,000	552,000	2.55
1918	5,828,000	93,099	2.69
1919	8,000,000	1,148,513	4.06
1920	8,000,000	1,846,875	3.44
1921	15,000,000	3,667,180	1.66
1922	24,406,400	2,087,775	1.87
1923	35,380,500	3,906,037	1.73
1924	37,719,600	1,711,987	1.34
1925	52,060,000	7,000,521	1.16
1926	62,816,910	10,221,396	.88

Use of Rayon by Industries

Source: The Viscose Company

	1926 (Per Cent)	1925 (Per Cent)	1924 (Per Cent)	1923 (Per Cent)
Cotton	22½	26	15	11
Hosiery	22¼	28	23	22
Silk goods	12	16	18	15
Knitted outerwear	15¼	5	14	25
Braid	9¾	4	8	10
Tapestry	3	4	3	—
Upholstery goods	—	—	—	2
Underwear	12	13	11	5
Lace	½	1	11	5
Webbing	1	1	—	—
Plush	—	1	2	2
Woolen goods	1	1	1	1
Miscellaneous	—	—	5	7



List Prices of Rayon Yarn

[Quotations are for 150 denier, A quality, unbleached]

Source: The Viscose Company

1909	\$2.15
1910	1.90
1911	1.80
1912	1.80
1913	1.80
April 1, 1914, to September, 1915	2.00
September, 1915, to January, 1916	2.50
January, 1916, to September, 1916	3.00
September, 1916, to December, 1916	3.25
December, 1916, to May, 1917	3.50
May, 1917, to October, 1917	3.75
October, 1917, to June, 1918	4.25
June, 1918, to September, 1919	4.50
September, 1919, to February, 1920	5.25
February, 1920, to June, 1920	5.95
June, 1920, to September, 1920	4.95
September, 1920, to October, 1920	3.95
October, 1920, to September, 1921	2.50
September, 1921, to February, 1924	2.75
February, 1924, to July, 1926	2.00
July, 1926, to November, 1926	1.65
November, 1926, to March, 1927	1.45
March, 1927, to ———	1.50

Growth of the Cotton Manufacturing Industry of the United States

	1899	1904	1909	1914	1919	1921	1923	1925
Invested capital	\$467,240,157	\$613,110,655	\$822,237,529	\$899,764,682	\$1,914,919,506	Not collected	Not collected	Not collected
Number of active producing spindles	19,050,952	23,155,613	27,395,800	30,815,731	33,718,953	36,047,367 ¹	36,260,001 ¹	35,032,246
Number of concerns	1,055	1,154	1,324	1,328	1,496	1,527	1,642	1,638
Number of employees	302,861	315,874	378,880	393,404	446,852	425,817	495,197	468,352
Value of product calendar year	\$339,200,320	\$450,467,704	\$628,391,813	\$701,300,933	\$2,195,565,881	\$1,330,263,117	\$2,010,141,147	\$1,819,886,390
Consumption of raw cotton and linters (in 500-pound bales). (Cotton year.)	3,687,253	4,523,208	4,759,364	5,087,338	6,807,817	5,408,979	7,312,201	6,852,265
Value of total exports of cotton manu- factures. ²	\$23,566,914	\$22,403,713	\$31,878,566	\$51,467,233	\$273,115,704	\$117,234,542	\$138,045,354	\$148,239,365
Value of total imports of cotton manu- factures. ²	32,054,434	49,524,246	63,231,908	70,704,828	52,652,110	75,430,495	106,153,179	79,271,08

¹ Total active cotton-producing spindles whether in cotton manufacturing industry or not.² Fiscal years ended June 30 up to and including 1914; calendar years thereafter.

Summary of the Cotton Manufactures Industry for New England, Census of Manufactures, 1925

Source: United States Bureau of the Census, Department of Commerce

	Maine	New Hampshire	Vermont	Massachusetts ¹	Rhode Island	Connecticut	Total
Number of establishments	16	23	4	230	150	58	481
Persons engaged	12,059	15,534	904	101,691	35,828	15,587	181,603
Proprietors and firm members	—	12	—	28	22	—	62
Salaried employees	208	535	24	2,724	1,386	814	5,691
Wage earners (average number) . . .	11,851	14,987	880	98,939	34,420	14,773	175,850
Salaries and wages	\$11,283,764	\$15,436,365	\$954,356	\$102,761,556	\$38,704,895	\$17,300,647	\$186,501,583
Salaries	766,037	1,571,136	73,155	8,367,465	4,078,699	2,111,089	16,967,581
Wages	10,517,727	13,865,229	881,201	94,394,091	34,686,196	15,189,558	294,321,002
Paid for contract work	934,029	113,563	—	1,099,986	1,366,508	270,590	3,784,676
Cost of materials	24,306,540	36,607,839	1,957,415	207,924,815	72,487,104	39,584,896	382,868,609
Value of product	41,188,496	58,908,960	3,195,418	358,238,885	128,526,645	65,740,674	655,799,078
Value added by manufacture. ² . . .	16,881,956	22,301,121	1,238,003	150,314,070	56,039,541	26,155,778	267,939,469

¹ Excludes statistics for one establishment to avoid disclosure of its operations.

² Value of products less cost of materials.

Size of Cotton Manufacturing Establishments

[Based on Statistics of United States Bureau of the Census]

	Establish- ments	Wage Earners	Wage Earners per Estab- lishment	Active Spindles (000 omitted)	Active Spindles per Estab- lishment	Looms	Looms per Estab- lishment
1879 .	756	172,544	228	10,653	14,091	225,759	298
1889 .	905	218,876	242	14,188	15,677	324,866	358
1899 .	1,055	302,861	287	19,051	18,058	450,682	427
1904 .	1,154	315,874	274	23,195	20,100	540,910	468
1909 .	1,324	378,880	286	27,426	20,715	632,963	477
1914 .	1,328	393,404	296	30,915	23,279	672,754	506
1919 .	1,496	446,852	299	33,796	22,591	692,169	462
1921 .	1,527	425,817	278	33,071	21,658	— ¹	— ¹
1923 .	1,643	497,378	302	36,260	22,069	— ¹	— ¹
1925 .	1,638	468,352	285	35,023	21,381	— ¹	— ¹

¹ Not available.

Legal Working Hours for Women

Source: United States Department of Labor

STATE	Daily	Weekly
Alabama	No limitation	No limitation
Arizona	8	56
Arkansas	9	54
California	8	48
Colorado	8	56
Connecticut	10	55
Delaware	10	55
District of Columbia	8	48
Florida	No limitation	No limitation
Georgia	10	60
Idaho	9	63
Illinois	10	70
Indiana	No limitation	No limitation
Iowa	No limitation	No limitation
Kansas	9	49½
Kentucky	10	60
Louisiana	10	60
Maine	9	54
Maryland	10	60
Massachusetts	9	48
Michigan	9	54
Minnesota	9½	54
Mississippi	10	55
Missouri	9	54
Montana	8	56
Nebraska	9	54
Nevada	8	56
New Hampshire	10½	54
New Jersey	10	54
New Mexico	8	56
New York¹	8	48
North Carolina	11	60
North Dakota	8½	48
Ohio	9	50
Oklahoma	9	54
Oregon	9	48
Pennsylvania	10	54
Rhode Island	10	54
South Carolina	10	55
South Dakota	10	54
Tennessee	10½	57
Texas	9	54
Utah	8	48
Vermont	10½	56
Virginia	10	60
Washington	8	56
West Virginia	No limitation	No limitation
Wisconsin	9	50
Wyoming	8½	56

NOTE. — The above table applies to women employed in mechanical and manufacturing establishments. Many states provide for overtime in seasonal industries.

¹ Effective January 1, 1928. Certain exceptions on hours of labor.

Statistical History of the American Cotton Industry

YEAR	Number of Estab- lishments	Value of Products (Thousands)	Employees	ACTIVE SPINDLES (THOUSANDS)		Looms
				Northern States	United States	
1790	-	-	-	-	-	-
1800	-	-	-	-	-	-
1810	-	-	-	-	-	-
1820	-	-	-	-	-	-
1830	-	-	-	-	-	-
1840	1,240	\$46,350	72,119	2,104	2,285	-
1850	1,094	61,869	92,286	3,733	3,998	-
1860	1,091	115,682	122,028	4,912	5,236	126,313
1870	956	177,490	135,369	6,804	7,132	157,310
1871	-	-	-	-	-	-
1872	-	-	-	-	-	-
1873	-	-	-	-	-	-
1874	-	-	-	-	-	-
1875	-	-	-	-	-	-
1876	-	-	-	-	-	-
1877	-	-	-	-	-	-
1878	-	-	-	-	-	-
1879	756	192,090	174,659	-	-	-
1880	-	-	-	10,092	10,653	225,759
1881	-	-	-	-	-	-
1882	-	-	-	-	-	-
1883	-	-	-	11,800	12,660	-
1884	-	-	-	12,250	13,300	-
1885	-	-	-	12,250	13,375	-
1886	-	-	-	12,250	13,400	-
1887	-	-	-	12,300	13,500	-
1888	-	-	-	12,300	13,550	-
1889	905	267,982	218,876	12,700	14,060	-
1890	-	-	-	12,814	14,384	324,866
1891	-	-	-	12,900	14,640	-
1892	-	-	-	13,250	15,200	-
1893	-	-	-	13,450	15,550	-
1894	-	-	-	13,500	15,700	-
1895	-	-	-	13,700	16,100	-
1896	-	-	-	13,800	16,650	-
1897	-	-	-	13,900	17,150	-
1898	-	-	-	13,900	17,450	-
1899	1,055	339,200	302,861	14,150	18,100	-

**Statistical History of the American Cotton Industry—
(Continued)**

YEAR	Crop (Bales) (Thousands)	CONSUMPTION BY MILLS (BALES) (THOUSANDS)		Acreage Picked (Thousands)	Yield per Acre (Pounds)	Upland, Average Price	Standard Sheeting, Average Price
		Northern States	United States				
1790 . .	3	—	—	—	—	26.0	—
1800 . .	73	—	—	—	—	44.0	—
1810 . .	178	—	—	—	—	15.5	—
1820 . .	335	—	—	—	—	14.3	—
1830 . .	732	—	—	—	—	9.7	—
1840 . .	1,348	166	237	—	—	9.5	—
1850 . .	2,136	497	575	—	—	12.1	7.87
1860 . .	3,841	751	845	—	—	13.0	8.75
1870 . .	4,025	728	797	8,885	199	17.0	14.58
1871 . .	2,553	1,072	1,163	7,558	148	16.2	13.00
1872 . .	3,920	977	1,097	8,483	189	21.4	14.27
1873 . .	3,683	1,063	1,201	9,510	180	19.1	13.31
1874 . .	3,941	1,192	1,320	11,764	148	16.2	11.42
1875 . .	5,123	1,071	1,201	11,934	191	15.0	10.41
1876 . .	4,438	1,220	1,354	11,677	168	12.1	8.85
1877 . .	4,370	1,302	1,429	12,133	164	11.3	8.46
1878 . .	5,244	1,345	1,496	12,344	191	10.8	7.80
1879 . .	5,755	1,379	1,561	14,480	181	10.4	7.97
1880 . .	6,343	1,382	1,570	15,951	185	11.8	8.51
1881 . .	5,456	1,713	1,938	16,711	150	10.8	8.51
1882 . .	6,957	1,677	1,964	16,277	186	11.8	8.45
1883 . .	5,701	1,759	2,072	16,778	165	10.1	8.32
1884 . .	5,682	1,537	1,877	17,440	154	11.0	7.28
1885 . .	6,575	1,437	1,753	18,301	164	10.7	6.75
1886 . .	6,446	1,781	2,162	18,455	170	9.4	6.75
1887 . .	7,020	1,687	2,088	18,641	183	10.0	7.15
1888 . .	6,941	1,805	2,261	19,059	180	10.3	7.25
1889 . .	7,473	1,790	2,270	20,175	160	10.4	7.00
1890 . .	8,674	1,979	2,518	19,512	187	11.3	7.00
1891 . .	9,018	2,027	2,640	19,059	179	9.9	6.83
1892 . .	6,664	2,172	2,856	15,911	209	7.8	6.50
1893 . .	7,493	1,652	2,375	19,525	150	8.4	5.90
1894 . .	9,476	1,580	2,291	23,688	195	7.7	5.11
1895 . .	7,161	2,019	2,871	20,185	156	6.2	5.74
1896 . .	8,533	1,605	2,505	23,273	185	8.1	5.45
1897 . .	10,898	1,793	2,792	24,320	183	7.7	4.73
1898 . .	11,189	2,211	3,465	24,967	221	6.3	4.20
1899 . .	9,345	2,217	3,632	24,327	184	6.1	5.28

Statistical History of the American Cotton Industry — (Continued)

YEAR	Number of Estab- lishments	Value of Products (Thousands)	Empl yees	ACTIVE SPINDLES (THOUSANDS)		Looms
				Northern States	United States	
1900	—	—	—	15,104	19,472	455,752
1901	—	—	—	14,700	20,200	—
1902	—	—	—	15,000	21,400	—
1903	—	—	—	15,100	22,000	—
1904	1,154	450,468	345,874	15,200	22,850	540,910
1905	—	—	—	16,056	23,687	—
1906	—	—	—	16,255	25,250	—
1907	—	—	—	16,847	26,375	—
1908	—	—	—	17,304	27,505	—
1909	1,324	628,392	378,880	17,589	28,048	632,963
1910	—	—	—	17,773	28,267	—
1911	—	—	—	18,438	29,523	—
1912	—	—	—	18,996	30,579	—
1913	—	—	—	19,293	31,520	—
1914	1,328	701,301	393,404	19,396	32,107	672,754
1915	—	—	—	19,008	31,961	—
1916	—	—	—	19,424	32,806	—
1917	—	—	—	19,733	33,889	—
1918	—	—	—	20,044	34,543	—
1919	1,496	2,195,566	446,852	20,085	34,931	692,169
1920	—	—	—	20,250	35,481	—
1921	1,527	1,330,263	425,817	20,338	36,047	—
1922	—	—	—	19,802	35,708	—
1923	1,643	2,040,141	497,378	19,950	36,260	—
1924	—	—	—	18,905	35,849	—
1925	—	—	—	17,740	35,032	—
1926	—	—	—	17,176	34,750	—

The figures in this table are not all precisely comparable throughout the entire period shown but are presented to show in a general way the changes which have taken place in the industry. The data are from various sources, largely official.

Statistical History of the American Cotton Industry (Concluded)

YEAR	Crop (Bales) (Thousands)	CONSUMPTION BY MILLS (BALES) (Thousands)		Acreage Picked (Thousands)	Yield per Acre (Pounds)	Upland, Average Price	Standard Sheeting, Average Price
		Northern States	United States				
1900	10,123	2,350	3,873	24,933	194	9.4	6.05
1901	9,676	1,964	3,547	26,774	170	8.4	5.54
1902	10,827	2,066	4,083	27,475	187	8.2	5.48
1903	10,046	1,966	3,924	27,052	174	12.2	6.25
1904	13,680	2,046	3,935	31,215	206	8.7	7.43
1905	10,805	2,139	4,279	27,110	187	10.9	7.00
1906	13,595	2,536	4,909	31,374	203	10.0	7.25
1907	14,375	2,574	4,985	29,660	179	11.5	7.62
1908	13,587	2,352	4,539	32,444	195	9.2	6.75
1909	10,345	2,687	5,241	30,938	154	14.3	7.37
1910	12,006	2,507	4,799	32,403	171	14.0	7.87
1911	16,250	2,377	4,705	36,045	208	9.6	7.98
1912	14,343	2,656	5,368	34,283	191	11.5	7.79
1913	14,795	2,825	5,786	37,089	182	12.5	8.05
1914	16,992	2,861	5,885	36,832	209	7.3	7.68
1915	12,123	2,816	6,009	34,412	170	11.2	6.74
1916	12,781	3,301	7,278	34,985	157	17.3	9.48
1917	12,428	3,323	7,658	33,841	160	27.4	14.50
1918	12,970	3,274	7,685	36,008	160	28.8	23.38
1919	12,029	2,733	6,224	33,566	162	35.4	22.60
1920	13,880	3,048	6,762	35,878	178	15.8	23.08
1921	8,351	2,257	5,409	30,509	125	16.9	—
1922	10,370	2,571	6,519	33,036	141	22.9	13.63
1923	10,808	2,823	7,312	37,123	131	28.7	—
1924	14,497	2,167	6,217	41,360	157	22.9	—
1925	17,467	2,392	6,852	46,053	168	19.6	—
1926	—	2,461	7,260	47,653	187	—	—

Approximate Value of Foreign Money

Source: The Merchants National Bank of Boston

COUNTRY	Monetary Unit and Fractions	Approximate Par Value of Foreign Unit in United States Dollars	Approximate Value of United States Dollar in Foreign Unit at Par
Argentina ¹	{ 1 Gold peso = 100 Centavos	\$0.9648	1.0362 Gold pesos
	{ 1 Paper peso = 100 Centavos	.4245	2.3557 Paper pesos
Austria	1 Schilling = 100 Groschen	.1407	7.1073 Schillings
Belgium	1 Belga = 100 Centimes	.1390	7.1919 Belgas
Bolivia	1 Boliviano = 100 Centavos	.3893	2.5686 Bolivianos
Brazil ²	{ 1 Gold milreis = 1,000 Reis	.5462	1.8308 Gold milreis
	{ 1 Paper milreis = 1,000 Reis	.3244	3.0823 Paper milreis
Bulgaria	1 Lev = 100 Stotinki	.1930	5.1813 Leva
Chile ³	1 Peso = 100 Centavos	.1217	8.2169 Pesos
China ⁴	-	-	-
Colombia	1 Peso = 100 Centavos	.9733	1.0274 Pesos
Czecho-Slovakia	1 Krone = 100 Hellers	.2026	4.9351 Kronen
Denmark	1 Krone = 100 Ore	.2680	3.7313 Kroner
Ecuador	1 Suere = 100 Centavos	.4867	2.0548 Sueres
Egypt ⁵	1 Egyptian pound = 100 Piastres	4.9431	.2023 Egyptian pounds
Finland	1 Markka = 100 Pennia	.0252	39.7056 Markka
France	1 Franc = 100 Centimes	.1930	5.1813 Francs
Germany	1 Reichsmark = 100 Pfennige	.2382	4.1979 Reichsmarks
Greece	1 Drachma = 100 Lepta	.1930	5.1813 Drachmas
Great Britain	{ 1 Pound sterling = 20 Shillings	4.8665	0-4-14 Pounds sterling
	{ 1 Shilling = 12 Pence	.2433	4.1101 Shillings
Holland	1 Guilder or florin = 100 Cents	.4020	2.4878 Guilders
Honduras	1 Peso = 100 Centavos	.4340	2.3041 Pesos
Hungary	1 Pengo = 100 Garas	.1749	5.7175 Pengos
India	{ 1 Rupee = 16 Annas	.4867	2.0530 Rupees
	{ 1 Anna = 12 Pies	-	-
Italy	1 Lira = 100 Centesimi	.1930	5.1813 Lire
Japan	1 Yen = 100 Sen	.4985	2.0062 Yen
Jugo-Slavia	1 Dinar = 100 Paras	.1930	5.1813 Dinars
Mexico	1 Peso = 100 Centavos	.4985	2.0062 Pesos
Norway	1 Krone = 100 Ore	.2680	3.7313 Kroner
Paraguay ⁶	1 Peso = 100 Centavos	.9648	1.0365 Pesos
Persia ⁷	1 Kran = 20 Shahis	.0844	11.8483 Krans
	{ 1 Peruvian pound = 10 Soles	4.8665	.2053 Peruvian pounds
Peru	{ 1 Sol = 100 Centavos	.4867	2.0533 Soles
Philippines	1 Peso = 100 Centavos	.5000	2.0000 Pesos
Poland	1 Zloty = 100 Grozy	.1930	5.1813 Zloty
Portugal	1 Escudo = 100 Centavos	1.0805	.9254 Escudos
Roumania	1 Leu = 100 Bani	.1930	5.1813 Lei
Russia	1 Chervonetz = 10 Roubles	5.1460	.1943 Chervontsi
Spain	1 Peseta = 100 Centimos	.1930	5.1813 Pesetas
Sweden	1 Krona = 100 Ore	.2680	3.7313 Kronor
Switzerland	1 Franc = 100 Centimes	.1930	5.1813 Francs
Turkey	{ 1 Turkish pound = 100 Piastres	4.3900	.2273 Turkish pounds
	{ 1 Piastre = 40 Paras	.0439	22.7272 Piastres
Uruguay ⁸	1 Peso = 100 Centesimos	1.0342	.9671 Pesos
Venezuela	1 Bolivar = 100 Centimos	.1930	5.1813 Bolivares

¹ Currency in circulation is paper, normally convertible into gold at the rate of 44 gold pesos to 100 paper pesos.

² Currency is the paper milreis, which being inconvertible fluctuates in value.

³ Circulation is the paper peso, which being inconvertible fluctuates in value.

⁴ There is no uniform currency in China, the Mexican silver dollar being mostly used. The British dollar, termed Hongkong currency, has the same legal value as the Mexican dollar in Hongkong and the Straits settlements, and usually prevails at about 50 cents United States gold.

⁵ The actual standard is the pound sterling which is legal tender for 97½ piastres.

⁶ Nominally the monetary system is based on gold pesos of the above value. Actual circulation however, is practically confined to paper notes, which being irredeemable have depreciated to the approximate value of 2 cents United States currency.

⁷ Circulation is silver at above its metallic value.

⁸ Currency is inconvertible paper.

NOTE. — Foreign money values are all subject to fluctuations.



TECHNICAL

FOREWORD

The Technical Section of the Year Book has been revised in accordance with the plans of the Technical Committee and the Technical Department of the Association to make it a convenient reference work for the cotton manufacturer.

Many of the charts and tables on engineering data have been eliminated as they are available in more complete form in other standard reference works, and substituted in their place are tables and charts pertaining more directly to cotton manufacturing.

Attention is called to the construction details on pages 256-258 for many of the standard fabrics covered by the statistics compiled by the Association of Cotton Textile Merchants of New York, and shown on pages 99-108 in the Statistical Section.

E. D. WALLEN, *Chairman*
Technical Committee

INTRODUCTION

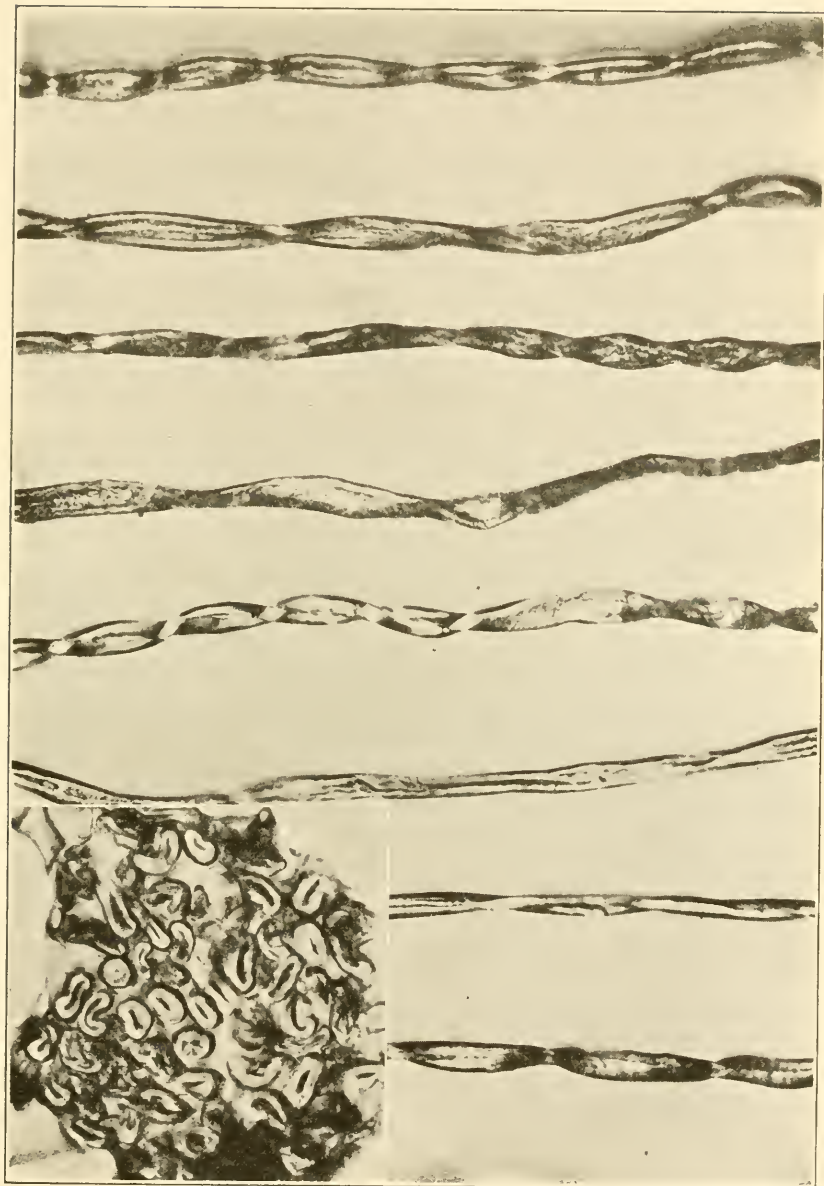
The Technical Section of the Year Book has been expanded from time to time to include information, as it became available, that it was thought would be of use to the cotton manufacturer. This edition has been revised and most of the engineering data of former issues omitted as it is readily available in engineering handbooks. These data have been replaced by such things as the range of production of roving and spinning frames, construction of some of the standard cloths, methods of identification of the different rayons, width of some of the standard fabrics on which the weight of the fabrics is based, and new tables on breaking strength. At the same time, some of the tables of previous years have been revised to include more information.

Acknowledgment has been made in most cases where the data are used. In addition we are indebted to Prof. George B. Haven, Gilbert R. Merrill, The Cotton Research Company, Textile World, Saco-Lowell Shops, Whitin Machine Works, Draper Corporation, H. & B. American Machine Company, U. S. Testing Company, The Silk Association of America, Fales & Jenks Machine Company, and the American Society for Testing Materials, for their courtesy in giving permission to republish certain of their tables.

Upland Cotton Fiber

Longitudinal Appearance and Cross-Sections
[Magnification 250]

Courtesy of The Cotton Research Company



Weight Equivalents

Corrected to second decimal place

1 ounce = 437.5 grains = 28.35 grams	9 ounces = 3937.5 grains = 255.14 grams
1½ ounces = 656.25 grains = 42.52 grams	9½ ounces = 4156.25 grains = 269.32 grams
2 ounces = 875.0 grains = 56.70 grams	10 ounces = 4375.0 grains = 283.50 grams
2½ ounces = 1093.75 grains = 70.87 grams	10½ ounces = 4593.75 grains = 297.67 grams
3 ounces = 1312.5 grains = 85.05 grams	11 ounces = 4812.5 grains = 311.84 grams
3½ ounces = 1531.25 grains = 99.22 grams	11½ ounces = 5031.25 grains = 326.02 grams
4 ounces = 1750.0 grains = 113.40 grams	12 ounces = 5250.0 grains = 340.19 grams
4½ ounces = 1968.75 grains = 127.57 grams	12½ ounces = 5468.75 grains = 354.37 grams
5 ounces = 2187.5 grains = 141.75 grams	13 ounces = 5687.5 grains = 368.54 grams
5½ ounces = 2406.25 grains = 155.92 grams	13½ ounces = 5906.25 grains = 382.71 grams
6 ounces = 2625.0 grains = 170.10 grams	14 ounces = 6125.0 grains = 396.89 grams
6½ ounces = 2843.75 grains = 184.27 grams	14½ ounces = 6343.75 grains = 411.06 grams
7 ounces = 3062.5 grains = 198.44 grams	15 ounces = 6562.5 grains = 425.24 grams
7½ ounces = 3281.25 grains = 212.62 grams	15½ ounces = 6781.25 grains = 439.41 grams
8 ounces = 3500.0 grains = 226.79 grams	16 ounces = 7000.0 grains = 453.59 grams
8½ ounces = 3718.75 grains = 240.97 grams	

Reference Data

Millimeters $\times .03937$ = inches or millimeters $\div 25.4$ = inches.

Centimeters $\times .3937$ = inches or centimeters $\div 2.54$ = inches.

Meters $\times 39.37$ = inches or meters $\times 3.281$ = feet.

Kilometers $\times .621$ = miles.

Square centimeters $\times .155$ = square inches or square meters $\times 10.764$ = square feet.

Cubic meters $\times 35.315$ = cubic feet or cubic meters $\times 1.308$ = cubic yards.

Liters $\times .2642$ = gallons (231 cubic inches).

Grams $\times 15.432$ = grains or grams $\div 28.35$ = ounces avoirdupois.

Kilograms $\times 2.2046$ = pounds or kilograms $\div 907.2$ = tons (2,000 pounds).

Kilowatts $\times 1.34$ = horse power or watts $\div 746$ = horse power.

Calorie $\times 3.968$ = British Thermal Unit.

1 Pint of water weighs 1.045 pounds.

1 Gallon of water = .1339 cubic feet = 8.36 pounds of water at 62° F.

1 Mile = 5,280 feet.

1 Pound (avoirdupois) = 7,000 grains = 453.6 grams.

1 Horse Power = 33,000 foot pounds of work done per minute = 746 watts.

The pressure of one atmosphere = 14.7 pounds per square inch, = 2,116 pounds per square foot, = a column of mercury 760 millimeters high.

A column of water 2.3 feet high corresponds to a pressure of 1 pound per square inch.

Conversion of Thermometer Readings

F°	C°	F°	C°	F°	C°	F°	C°	F°	C°	F°	C°
-40	-40.00	30	-1.11	80	26.67	250	121.11	500	260.00	900	482.22
-38	-38.89	31	-0.56	81	27.22	255	123.89	505	262.78	910	487.78
-36	-37.78	32	0.00	82	27.78	260	126.67	510	265.56	920	493.33
-34	-36.67	33	0.56	83	28.33	265	129.44	515	268.33	930	498.89
-32	-35.56	34	1.11	84	28.89	270	132.22	520	271.11	940	504.44
-30	-34.44	35	1.67	85	29.44	275	135.00	525	273.89	950	510.00
-28	-33.33	36	2.22	86	30.00	280	137.78	530	276.67	960	515.56
-26	-32.22	37	2.78	87	30.56	285	140.55	535	279.44	970	521.11
-24	-31.11	38	3.33	88	31.11	290	143.33	540	282.22	980	526.67
-22	-30.00	39	3.89	89	31.67	295	146.11	545	285.00	990	532.22
-20	-28.89	40	4.44	90	32.22	300	148.89	550	287.78	1000	537.78
-18	-27.78	41	5.00	91	32.78	305	151.67	555	290.55	1050	565.56
-16	-26.67	42	5.56	92	33.33	310	154.44	560	293.33	1100	593.33
-14	-25.56	43	6.11	93	33.89	315	157.22	565	296.11	1150	621.11
-12	-24.44	44	6.67	94	39.44	320	160.00	570	298.89	1200	648.89
-10	-23.33	45	7.22	95	35.00	325	162.78	575	301.67	1250	676.67
-8	-22.22	46	7.78	96	35.56	330	165.56	580	304.44	1300	704.44
-6	-21.11	47	8.33	97	36.11	335	168.33	585	307.22	1350	732.22
-4	-20.00	48	8.89	98	36.67	340	171.11	590	310.00	1400	760.00
-2	-18.89	49	9.44	99	37.22	345	173.89	595	312.78	1450	787.78
0	-17.78	50	10.00	100	37.78	350	176.67	600	315.56	1500	815.56
1	-17.22	51	10.56	105	40.55	355	179.44	610	321.11	1550	843.33
2	-16.67	52	11.11	110	43.33	360	182.22	620	326.67	1600	871.11
3	-16.11	53	11.67	115	46.11	365	185.00	630	332.22	1650	898.89
4	-15.56	54	12.22	120	48.89	370	187.78	640	337.78	1700	926.67
5	-15.00	55	12.78	125	51.67	375	190.55	650	343.33	1750	954.44
6	-14.44	56	13.33	130	54.44	380	193.33	660	348.89	1800	982.22
7	-13.89	57	13.89	135	57.22	385	196.11	670	354.44	1850	1010.00
8	-13.33	58	14.44	140	60.00	390	198.89	680	360.00	1900	1037.78
9	-12.78	59	15.00	145	62.78	395	201.67	690	365.56	1950	1065.56
10	-12.22	60	15.56	150	65.56	400	204.44	700	371.11	2000	1093.33
11	-11.67	61	16.11	155	68.33	405	207.22	710	376.67	2050	1121.11
12	-11.11	62	16.67	160	71.11	410	210.00	720	382.22	2100	1148.89
13	-10.56	63	17.22	165	73.89	415	212.78	730	387.78	2150	1176.67
14	-10.00	64	17.78	170	76.67	420	215.56	740	393.33	2200	1204.44
15	-9.44	65	18.33	175	79.44	425	218.33	750	398.89	2250	1232.22
16	-8.89	66	18.89	180	82.22	430	221.11	760	404.44	2300	1260.00
17	-8.33	67	19.44	185	85.00	435	223.89	770	410.00	2350	1287.78
18	-7.78	68	20.00	190	87.78	440	226.67	780	415.56	2400	1315.56
19	-7.22	69	20.56	195	90.55	445	229.44	790	421.11	2450	1343.33
20	-6.67	70	21.11	200	93.33	450	232.22	800	426.67	2500	1371.11
21	-6.11	71	21.67	205	96.11	455	235.00	810	432.22	2550	1398.89
22	-5.56	72	22.22	212	100.00	460	237.78	820	437.78	2600	1426.67
23	-5.00	73	22.78	215	101.67	465	240.55	830	443.33	2650	1454.44
24	-4.44	74	23.33	220	104.44	470	243.33	840	448.89	2700	1482.22
25	-3.89	75	23.89	225	107.22	475	246.11	850	454.44	2750	1510.00
26	-3.33	76	24.44	230	110.00	480	248.89	860	460.00	2800	1537.78
27	-2.78	77	25.00	235	112.78	485	251.67	870	465.56	2850	1565.56
28	-2.22	78	25.56	240	115.56	490	254.44	880	471.11	2900	1593.33
29	-1.67	79	26.11	245	118.33	495	257.22	890	476.67	2950	1621.11

Specific Gravity, Degrees Twaddle and Degrees Beaumé

English Standard 15°c.

Twaddle	Beaumé	Specific Gravity	Twaddle	Beaumé	Specific Gravity	Twaddle	Beaumé	Specific Gravity	Twaddle	Beaumé	Specific Gravity
0	0	1.000	44	26.0	1.220	88	44.1	1.440	132	57.4	1.660
1	0.7	1.005	45	26.4	1.225	89	44.4	1.445	133	57.7	1.665
2	1.4	1.010	46	26.9	1.230	90	44.8	1.450	134	57.9	1.670
3	2.1	1.015	47	27.4	1.235	91	45.1	1.455	135	58.2	1.675
4	2.7	1.020	48	27.9	1.240	92	45.4	1.460	136	58.4	1.680
5	3.4	1.025	49	28.4	1.245	93	45.8	1.465	137	58.7	1.685
6	4.1	1.030	50	28.8	1.250	94	46.1	1.470	138	58.9	1.690
7	4.7	1.035	51	29.3	1.255	95	46.4	1.475	139	59.2	1.695
8	5.4	1.040	52	29.7	1.260	96	46.8	1.480	140	59.5	1.700
9	6.0	1.045	53	30.2	1.265	97	47.1	1.485	141	59.7	1.705
10	6.7	1.050	54	30.6	1.270	98	47.4	1.490	142	60.0	1.710
11	7.4	1.055	55	31.1	1.275	99	47.8	1.495	143	60.2	1.715
12	8.0	1.060	56	31.5	1.280	100	48.1	1.500	144	60.4	1.720
13	8.7	1.065	57	32.0	1.285	101	48.4	1.505	145	60.6	1.725
14	9.4	1.070	58	32.4	1.290	102	48.7	1.510	146	60.9	1.730
15	10.0	1.075	59	32.8	1.295	103	49.0	1.515	147	61.1	1.735
16	10.6	1.080	60	33.3	1.300	104	49.4	1.520	148	61.4	1.740
17	11.2	1.085	61	33.7	1.305	105	49.7	1.525	149	61.6	1.745
18	11.9	1.090	62	34.2	1.310	106	50.0	1.530	150	61.8	1.750
19	12.4	1.095	63	34.6	1.315	107	50.3	1.535	151	62.1	1.755
20	13.0	1.100	64	35.0	1.320	108	50.6	1.540	152	62.3	1.760
21	13.6	1.105	65	35.4	1.325	109	50.9	1.545	153	62.5	1.765
22	14.2	1.110	66	35.8	1.330	110	51.2	1.550	154	62.8	1.770
23	14.9	1.115	67	36.2	1.335	111	51.5	1.555	155	63.0	1.775
24	15.4	1.120	68	36.6	1.340	112	51.8	1.560	156	63.2	1.780
25	16.0	1.125	69	37.0	1.345	113	52.1	1.565	157	63.5	1.785
26	16.5	1.130	70	37.4	1.350	114	52.4	1.570	158	63.7	1.790
27	17.1	1.135	71	37.8	1.355	115	52.7	1.575	159	64.0	1.795
28	17.7	1.140	72	38.2	1.360	116	53.0	1.580	160	64.2	1.800
29	18.3	1.145	73	38.6	1.365	117	53.3	1.585	161	64.4	1.805
30	18.8	1.150	74	39.0	1.370	118	53.6	1.590	162	64.6	1.810
31	19.3	1.155	75	39.4	1.375	119	53.9	1.595	163	64.8	1.815
32	19.8	1.160	76	39.8	1.380	120	54.1	1.600	164	65.0	1.820
33	20.3	1.165	77	40.1	1.385	121	54.4	1.605	165	65.2	1.825
34	20.9	1.170	78	40.5	1.390	122	54.7	1.610	166	65.5	1.830
35	21.4	1.175	79	40.8	1.395	123	55.0	1.615	167	65.7	1.835
36	22.0	1.180	80	41.2	1.400	124	55.2	1.620	168	65.9	1.840
37	22.5	1.185	81	41.6	1.405	125	55.5	1.625	169	66.1	1.845
38	23.0	1.190	82	42.0	1.410	126	55.8	1.630	170	66.3	1.850
39	23.5	1.195	83	42.3	1.415	127	56.0	1.635	171	66.5	1.855
40	24.0	1.200	84	42.7	1.420	128	56.3	1.640	172	66.7	1.860
41	24.5	1.205	85	43.1	1.425	129	56.6	1.645	173	67.0	1.865
42	25.0	1.210	86	43.4	1.430	130	56.9	1.650			
43	25.5	1.215	87	43.8	1.435	131	57.1	1.655			

Approximate Power required for Cotton Machinery

	Horse Power
Bale Breaker	3-5
Self-Feeding Openers	3
Combined Self-Feeding Opener and Single Beater Breaker Lap- per	9
40" Single Beater Intermediate or Finisher Lapper	5
Two-Beater Intermediate or Finisher Lapper	10-12
Waste Picker	3
Thread Extractor with Condenser	2
40" Revolving Flat Card, Production 750 lbs. per week	1
Sliver Lap Machine	$\frac{1}{2}$
Ribbon Lap Machine	1
Comber 6-head	$\frac{1}{2}$
Comber 8-head	$\frac{2}{3}$
Drawing Frames 4 to 5 deliveries per	1
Slubber Frames 40 to 45 spindles per	1
Intermediate Frames 55 to 60 spindles per	1
Roving Frames 70 to 85 spindles per	1
Jack or Fine Roving Frames 100 spindles per	1
Ring Spinning Frames:	
6,000 r. p. m. (Filling) 110 spindles per	1
7,000 r. p. m. (Filling) 100 spindles per	1
8,000 r. p. m. (Warp) 90 spindles per	1
8,500 r. p. m. (Warp) 80 spindles per	1
9,000 r. p. m. (Warp) 70 spindles per	1
10,000 r. p. m. (Warp) 60 spindles per	1
Mule, 720 spindles per	$7\frac{1}{2}$
Twisters 10 to 50 spindles per	1
Cone Winders 65 drums per	1
Spoolers 200 to 300 spindles per	1
Warpers	$\frac{1}{4}-\frac{1}{2}$
Ball Warpers	$\frac{1}{2}$
Slasher	2
Looms:	
32" and 36"	$\frac{1}{4}$
40" and 48"	$\frac{1}{3}$
80"	$\frac{1}{2}$
92" to 108"	$\frac{3}{4}-1$
Brusher	1
Brusher and Shearer	3
Cloth Folder	$\frac{1}{3}-\frac{1}{2}$

NOTE. — The above figures are only approximate, but they give a fair average of the power required to drive the various machines. The speed production and many other conditions affect the power consumed. For Friction of Belting and Shafting add from 18 to 22 per cent.

Card Settings

The following settings give the usual range for carding. Individual mill conditions must govern the actual setting.

	Inches
Feed plate from lickerin	7/1000-17/1000
Mote knives from lickerin	17/1000-22/1000
Lickerin from cylinder	7/1000-10/1000
Lickerin screen from lickerin	29/1000- 1/8
Cylinder screen from cylinder:	
Lickerin end	17/1000-29/1000
Middle	30/1000-58/1000
Doffer end	34/1000- 3/16
Doffer from cylinder	5/1000- 7/1000
Doffer comb from doffer	10/1000-22/1000
Flats from cylinder	7/1000-12/1000

Card Clothing Data

English Counts	Points per Square Foot	American Number of Wire
60s	43,200	28
70s	50,400	30
80s	57,600	31
90s	64,800	32
100s	72,000	33
110s	79,200	34
120s	86,400	35
130s	93,600	36

Counts ordinarily used

	Cylinders	Doffers	Flats
Coarse yarns . . .	90s to 100s	100s to 110s	90s to 100s
Medium yarns . . .	100s to 110s	110s to 120s	100s to 110s

Common and Range of Production for Cotton Machinery

MACHINE	Range of Draft	Common Draft	Range of Production (10 Hours)	Common Production (10 Hours)	Per Cent Waste	Range of Speeds R. P. M.	Range of Sizes	Common Sizes	Per Cent Stops	
Bale opener . . .	-	-	4,000-10,000	5,000-7,000	-	-	-	-	10	
Breaker picker . .	-	2	1,500-3,000	2,000	2.5-3	9" Cal. Roll 4-8	10-20	13-16	5	
Intermediate picker	3-5	4	1,000-2,500	1,200-1,600	1.5-2	4-8	10-20	12-15	5	
Finisher picker . .	3-5	4	1,000-2,500	1,200-1,600	1.5-2	4-8	10-20	11-14	10	
Card	85-130	90-110	30-200	85-150	4-12 (5-6)	27" Doffer 4-18	Grains 30-100	50-60	5	
Sliver lapper (20 ends)	1½-2½	2-2¼	750-1,200	1,000	1	5" Press Roll 90-100	350-800	450-600	25	
Ribbon lapper (4 head)	3-5	4	750-1,200	1,000	1	90-100	350-800	450-600	25	
Comb (8 head) . .	40-80	60	80-150	100-128	Noil 8-30 Common 12-18	Nips 90-130	Grains 40-70	50-60	5	
Draw frame (6 ends)	4-8	6	75-300	100-150	Less than 1	Front Roll 275-375	40-70	50-60	20-25	
Slubber	3-5	4	For Production figures see pages 196, 197, 198, 199, 200, 201		Less than 1	Sp. Speed 600-800	Hank .25-1.0	Hank	15-20	
Intermediate . .	4-6	5			Less than 1	800-1,000	1-2.5	1-2.5	12-15	
Fine	5-7	6			Less than 1	1,000-1,200	2.5-6.0	2.5-6.0	4-12	
Jack	6-8	7			Less than 1	1,200-1,500	6 Hank	6 Hank	7-9	
Ring spinning . .	6-20	8-12				4,000-10,000	and up	and up	10	
Mule	6-20	8-12				4,000-10,000	4's-140	15's-400	12	

Range of Production of Ring Filling Yarn

YARN NUMBER	R. P. M. Spindles	Twist per Inch	R. P. M. Front Roll	Pounds Production per Spindle for 10 Hours ¹
4	4,000-4,700	6.50- 7.50	182.0-200	2.414-2.480
5	4,400-4,875	7.27- 7.83	178.8-198	1.897-1.968
6	4,800-5,225	7.96- 8.57	178.3-194	1.594-1.600
7	5,150-5,525	8.60- 9.26	176.9-190	1.356-1.344
8	5,450-5,825	9.19- 9.90	175.3-188	1.176-1.189
9	5,700-6,025	9.75-10.50	172.7-186	1.030-1.033
10	5,950-6,225	10.28-11.07	171.0-184	.928- .910
11	6,150-6,375	10.78-11.61	168.6-182	.832- .820
12	6,350-6,500	11.26-12.12	166.7-179	.763- .733
13	6,500-6,675	11.72-12.62	164.0-177	.693- .665
14	6,700-6,825	12.16-13.10	162.7-175	.638- .617
15	6,850-6,975	12.59-13.56	160.7-173	.588- .569
16	6,950-7,125	13.00-14.00	158.0-170	.542- .533
17	7,100-7,250	13.40-14.43	156.6-168	.506- .496
18	7,200-7,425	13.79-14.85	154.3-166	.471- .471
19	7,300-7,525	14.17-15.26	152.5-164	.441- .440
20	7,400-7,675	14.53-15.65	150.4-162	.418- .420
21	7,500-7,800	14.89-16.04	148.8-160	.394- .397
22	7,600-7,950	15.24-16.42	147.3-158	.372- .378
23	7,700-8,075	15.59-16.79	145.9-156	.352- .362
24	7,800-8,200	15.92-17.15	144.7-154	.335- .345
25	7,850-8,300	16.25-17.50	142.8-152	.317- .333
26	7,850-8,400	16.57-17.85	140.0-150	.302- .318
27	7,850-8,325	16.89-17.66	141.6-150	.295- .310
28	7,900-8,300	17.20-17.99	139.7-147	.280- .293
29	7,900-8,300	17.50-18.29	137.4-145	.266- .279
30	7,900-8,300	17.80-18.35	136.9-144	.259- .267
31	7,900-8,300	18.10-18.62	135.0-142	.248- .256
32	7,900-8,250	18.38-18.64	134.9-141	.239- .248
33	7,900-8,200	18.67-18.94	133.3-138	.229- .236
34	7,900-8,150	18.95-18.95	132.7-137	.222- .227
35	7,900-8,150	19.23-19.23	130.7-135	.214- .217
36	7,900-8,150	19.50-19.50	128.9-133	.206- .211
37	7,900-8,125	19.77-19.77	127.2-131	.195- .202
38	7,900-8,100	20.03-20.03	125.5-129	.190- .193
39	7,900-8,100	20.30-20.30	123.8-127	.182- .185
40	7,900-8,075	20.55-20.55	122.0-125	.177- .179
41	7,900-8,050	20.81-20.81	120.8-123	.171- .173
42	7,900-8,000	21.06-21.06	119.0-121	.165- .166
43	7,900-7,975	21.31-21.31	117.9-119	.159- .159
44	7,900-7,975	21.56-21.56	116.6-118	.154- .154
45	7,900-7,950	21.80-21.80	115.0-116	.149- .149
46	7,900-7,950	22.04-22.04	114.0-115	.144- .145
47	7,900-7,900	22.28-22.28	112.8-113	.139- .140
48	7,900-7,850	22.52-22.52	112.0-111	.135- .134
49	7,900-7,850	22.75-22.75	111.0-110	.131- .131
50	7,900-7,800	22.98-22.98	109.4-108	.128- .126
55	7,900-7,800	24.10-24.10	104.3-103	.112- .110
60	7,900-7,825	25.16-25.17	100.0- 99	.100- .098
65	7,800-7,850	25.79-26.20	95.0- 97	.088- .088
70	7,800-7,825	26.75-27.19	91.0- 93	.079- .080
75	7,800-7,825	27.71-28.15	88.0- 90	.072- .072
80	7,700-7,825	28.16-29.07	84.0- 87	.066- .066
85	7,600-7,800	29.04-29.96	81.0- 84	.059- .060
90	7,400-7,725	29.39-30.83	77.0- 81	.054- .054
95	7,400-7,675	30.19-31.68	74.0- 78	.050- .049
100	7,200-7,650	30.50-32.50	71.0- 76	.046- .046

¹ Allowance made for doffing, etc.

Range of Production of Ring Warp Yarn

YARN NUMBER	R. P. M. Spindles	Twist per Inch	R. P. M. Front Roll	Pounds Production per Spindle for 10 Hours ¹
4	4,950-5,075	9.50 -	166.0-170.0	2.278-2.323
5	5,450-5,550	10.62 -	163.2-167.0	1.791-1.822
6	5,900-6,000	11.63 -	161.4-165.0	1.477-1.513
7	6,300-6,450	12.56 -	159.6-163.0	1.252-1.282
8	6,650-6,725	13.43 -	157.6-160.0	1.082-1.103
9	7,000-7,100	14.25 -	156.3-158.0	.954-.968
10	7,250-7,250	15.02 -	153.6-154.0	.853-.859
11	7,500-7,550	15.75 -	151.5-152.0	.765-.771
12	7,750-7,775	16.45 -	150.0-150.0	.694-.697
13	7,950-8,000	17.12 -	147.8-149.0	.631-.640
14	8,150-8,175	17.77 -	145.9-146.0	.579-.582
15	8,300-8,325	18.39 -	143.6-144.0	.632-.535
16	8,450-8,475	19.00 -	141.5-142.0	.497-.495
17	8,600-8,625	19.58 -	139.7-140.0	.468-.460
18	8,750-8,750	20.15 -	138.1-138.0	.429-.427
19	8,850-8,850	20.70 -	136.0-136.0	.398-.400
20	8,950-8,925	21.24 -	134.0-134.0	.376-.378
21	9,050-9,050	21.76 -	132.3-132.0	.334-.365
22	9,100-9,100	22.27 -	130.0-130.0	.332-.333
23	9,150-9,175	22.78 -	127.8-128.0	.312-.314
24	9,200-9,225	23.27 -	125.8-126.0	.294-.297
25	9,300-9,300	23.75 -	124.6-125.0	.280-.285
26	9,400-9,425	24.22 -	123.7-124.0	.270-.272
27	9,450-9,475	24.68 -	121.9-122.0	.256-.258
28	9,500-9,475	25.13 -	120.2-120.0	.244-.245
29	9,500-9,500	25.58 -	118.2-118.0	.231-.232
30	9,500-9,550	26.02 -	116.2-117.0	.220-.225
31	9,500-9,550	26.44 -	114.4-115.0	.210-.214
32	9,500-9,550	26.87 -	112.5-113.0	.200-.204
33	9,550-9,600	27.28 -	111.4-112.0	.192-.195
34	9,600-9,650	27.69 -	110.3-111.0	.184-.188
35	9,600-9,675	28.10 -	108.7-110.0	.178-.181
36	9,700-9,675	28.50 -	108.3-108.0	.173-.173
37	9,700-9,700	28.89 -	106.8-107.0	.166-.186
38	9,800-9,700	29.28 -	106.5-106.0	.161 -
39	9,800-9,700	29.66 -	105.2-105.0	.155 -
40	9,700-9,700	29.07 -	106.2-104.0	.152 -
41	9,700-9,700	29.44 -	104.9-104.0	.147 -
42	9,675-9,700	29.80-29.9	103.0-103.6	.142-.144
43	9,675-9,700	30.13-30.2	102.0-102.5	.137-.140
44	9,675-9,700	30.49-30.5	101.0-101.2	.132-.135
45	9,675-9,700	30.82-30.8	100.0-100.2	.129-.131
46	9,681-9,700	31.18-28.8	107.0-99.0	.125-.137
47	9,690-9,700	31.51-29.1	106.0-98.0	.121-.133
48	9,698-9,700	31.83-29.4	105.0-97.0	.117-.129
49	9,736-9,700	32.20-29.8	104.0-95.9	.114-.125
50	9,740-9,700	32.52-30.1	103.0-94.9	.110-.122
55	9,896-9,600	33.34-31.5	100.0-91.6	.098-.107
60	9,544-9,600	34.83-31.0	98.0-87.7	.087-.098
65	9,640-9,600	36.27-32.3	95.0-84.2	.077-.088
70	9,577-9,600	37.62-33.5	91.0-81.2	.069-.079
75	9,456-9,500	38.10-34.6	87.0-79.4	.063-.070
80	9,447-9,500	39.33-35.8	84.0-76.9	.058-.064
85	9,274-9,100	39.64-36.9	80.0-74.0	.052-.057
90	9,073-9,100	40.76-38.0	76.0-71.0	.048-.051
95	8,944-9,000	41.83-39.0	73.0-68.5	.044-.047
100	8,796-8,700	42.00-40.0	70.0-65.9	.040-.042

¹ Allowance made for doffing, etc.

Range of Production of Ring Hosiery Yarns

[Twist Multiplier — 3.00]

YARN NUMBER	R. P. M. Spindles	Twist per Inch	R. P. M. Front Roll	Pounds Production per Spindle for 10 Hours ¹
4	3,393-3,400	6.00	180-180.3	2.359-2.400
5	3,700-3,711	6.71	176-175.4	1.836-1.872
6	3,995-4,000	7.35	173-173.2	1.511-1.537
7	4,191-4,200	7.94	168-168.3	1.258-1.280
8	4,396-4,400	8.49	165-164.9	1.092-1.112
9	4,609-4,600	9.00	163-162.6	.957- .976
10	4,800-4,800	9.49	161-161.0	.853- .878
11	5,001-5,000	9.95	160-159.9	.770- .793
12	5,157-5,150	10.39	158-157.7	.704- .718
13	5,337-5,350	10.82	157-157.4	.649- .666
14	5,499-5,500	11.22	156-156.3	.598- .614
15	5,658-5,650	11.62	155-154.7	.553- .570
16	5,806-5,800	12.00	154-153.8	.515- .530
17	5,907-5,900	12.37	152-151.7	.484- .493
18	5,999-6,000	12.73	150-150.0	.446- .459
19	6,077-6,100	13.08	148-148.4	.423- .435
20	6,109-6,100	13.42	145-144.6	.396- .404
21	6,177-6,100	13.75	143-141.2	.369- .380
22	6,188-6,200	14.07	140-140.2	.349- .355
23	6,193-6,200	14.39	137-137.1	.327- .332
24	6,235-6,200	14.70	135-134.2	.310- .313
25	6,267-6,300	15.00	133-133.7	.297- .296
26	6,297-6,300	15.30	131-131.0	.283- .284
27	6,318-6,300	15.59	129-128.6	.267- .269
28	6,332-6,300	15.87	127-126.3	.253- .259
29	6,342-6,300	16.16	125-124.0	.240- .246
30	6,400-6,400	16.43	124-123.9	.232- .236

¹ Allowance made for doffing, etc.

Range of Production of Roving Frames

SLUBBER (12 x 6 Bobbin)

Hank Roving	Twist per Inch	R. P. M. Front Roll	Sets per Day	Hanks per Day	Pounds Production per Spindle for 10 Hours ¹
.25	.50-.60	267-322	17.24-17.54	11.85-13.30	47.4-53.21
.30	.55-.66	243-292	14.59-14.87	12.03-13.37	40.11-44.57
.35	.59-.71	226-273	12.55-12.81	12.08-13.42	34.52-38.36
.40	.63-.76	211-255	10.88-11.12	11.97-13.46	29.93-33.66
.45	.67-.80	201-240	9.60-9.83	11.88-13.25	26.39-29.45
.50	.71-.85	189-226	8.44-8.73	11.61-13.09	23.21-26.18
.55	.74-.89	180-217	7.54-7.72	11.40-12.96	20.72-23.57
.60	.78-.93	173-206	6.77-7.00	11.17-12.52	18.61-20.87
.65	.81-.97	165-199	6.11-6.27	10.92-12.33	16.80-18.98
.70	.84-1.00	160-191	5.59-5.74	10.75-12.16	15.36-17.38
.75	.87-1.04	154-185	5.09-5.23	10.49-11.90	13.99-15.87
.80	.90-1.07	150-179	4.69-4.82	10.31-11.56	12.89-14.46

SLUBBER (11 x 5½ Bobbin)

.40	.63-.76	234-277	14.53-14.54	11.62-12.64	29.06-31.60
.45	.67-.80	223-260	13.02 -	11.71-12.55	26.04-27.90
.50	.71-.84	210-245	11.60-11.70	11.60-12.50	23.21-25.00
.55	.74-.89	200-235	10.46-10.47	11.52-12.45	20.72-22.64
.60	.78-.92	192-223	9.49-9.57	11.38-12.19	18.61-20.32
.65	.81-.97	184-215	8.63-8.64	11.22-12.18	16.80-18.75
.70	.84-1.00	178-207	7.95 -	11.13-11.99	15.36-17.14
.75	.87-1.04	171-200	7.28 -	10.92-11.83	13.99-15.78
.80	.90-1.07	166-194	6.74-6.75	10.78-11.71	12.89-14.64
.85	.92-1.11	160-189	6.21-6.22	10.57-11.59	11.82-13.64
.90	.95-1.14	156-183	5.79 -	10.42-11.38	10.97-12.64
.95	.97-1.17	152-180	5.40-5.41	10.26-11.28	10.20-11.88
1.00	1.00-1.20	148-174	5.06-5.07	10.12-11.10	9.52-11.10

INTERMEDIATE (10 x 5 Bobbin)

.90	1.04-1.14	190-206	8.57-8.60	11.56-11.70	12.85-13.00
.95	1.07-1.17	185-200	8.07 -	11.50-11.58	12.10-12.19
1.00	1.10-1.20	180-195	7.59 -	11.38-11.34	11.38-11.34
1.05	1.13-1.23	176-190	7.15-7.16	11.27-11.25	10.73-10.71
1.10	1.15-1.26	172-186	6.72-6.75	11.08-11.18	10.08-10.16
1.15	1.18-1.29	168-182	6.37-6.38	10.99-11.10	9.56-9.65
1.20	1.20-1.31	165-179	6.07 -	10.93-11.04	9.11-9.20
1.25	1.23-1.34	161-174	5.74-5.75	10.76-10.89	8.61-8.71
1.30	1.25-1.37	158-172	5.45-5.46	10.63-10.73	8.18-8.26
1.35	1.28-1.39	154-168	5.20-5.21	10.53-10.62	7.80-7.87
1.40	1.30-1.42	150-165	4.95-4.96	10.39-10.51	7.42-7.51
1.50	1.35-1.47	147-159	4.52-4.53	10.17-10.26	6.78-6.84
1.60	1.39-1.52	142-154	4.14 -	9.94-10.08	6.21-6.30

¹ Allowance made for doffing, etc.

Range of Production of Roving Frames — (Continued)

INTERMEDIATE (9 x 4½ Bobbin)

Hank Roving	Twist per Inch	R. P. M. Front Roll	Sets per Day	Hanks per Day	Pounds Production per Spindle for 10 Hours ¹
1.40	1.42 -	170 -	6.96- 6.95	10.40-10.96	7.43- 7.83
1.50	1.47 -	164-165	6.39- 6.40	10.14-10.80	6.76- 7.20
1.60	1.52 -	159 -	5.88 -	10.00-10.59	6.25- 6.62
1.75	1.59 -	152 -	5.23- 5.24	9.71-10.31	5.55- 5.89
2.00	1.69-1.70	142 -	4.39 -	9.32- 9.88	4.66- 4.94

INTERMEDIATE (8 x 4 Bobbin)

2.50	1.90 -	156-160	4.45 -	9.70- 9.75	3.66- 3.90
3.00	2.08 -	143-146	3.48- 3.49	9.12- 9.15	2.85- 3.05
3.50	2.24 -	133-136	8.65 -	8.68- 8.65	2.31- 2.47

FLY FRAME (7 x 3½ Bobbin)

3.00	2.07-2.25	151-157	5.10- 5.12	8.67- 9.60	2.89- 3.20
3.25	2.16-2.34	145-151	4.60 -	8.48- 9.36	2.61- 2.88
3.50	2.24-2.43	140-145	4.17 -	8.33- 9.14	2.38- 2.61
3.75	2.32-2.52	135-140	3.80 -	8.14- 8.93	2.17- 2.38
4.00	2.40-2.60	131-136	3.47- 3.48	7.96- 8.72	1.99- 2.18
4.25	2.47-2.68	127-132	3.20 -	7.86- 8.50	1.85- 2.00
4.50	2.54-2.76	123-128	2.96 -	7.70- 8.33	1.71- 1.85
4.75	2.60-2.83	120-125	2.75 -	7.55- 8.17	1.59- 1.72
5.00	2.67-2.90	117-121	2.55- 2.56	7.45- 8.00	1.49- 1.60
5.25	2.75-2.98	114-119	2.38 -	7.30- 7.82	1.39- 1.49
5.50	2.80-3.05	111-116	2.23- 2.24	7.15- 7.70	1.30- 1.40
5.75	2.88-3.12	109-113	2.09 -	7.02- 7.53	1.22- 1.31
6.00	2.92-3.18	107-111	1.97 -	6.96- 7.38	1.16- 1.23
6.50	3.06-3.31	103-106	1.76 -	6.70- 7.15	1.03- 1.10
7.00	3.17-3.44	98-103	1.58 -	6.44- 6.93	.92- .99

JACK FRAME (6 x 3 Bobbin)

8.00	3.39-3.40	104-109	1.98- 2.06	6.88- 7.21	.86- .90
9.00	3.60 -	98-102	1.67- 1.74	6.57- 6.85	.73- .76
10.00	3.79 -	93- 97	1.44- 1.50	6.30- 6.56	.63- .66
11.00	3.97-3.99	89- 92	1.26- 1.30	6.05- 6.26	.55- .57
12.00	4.16 -	85- 89	1.15- 1.14	5.88- 6.04	.49- .50
13.00	4.33 -	82- 85	.98- 1.02	5.59- 5.80	.43- .45
14.00	4.49-4.50	79- 82	.88- .92	5.39- 5.46	.39- .40

¹ Allowance made for doffing, etc.

Range of Production of Roving Frames — (Concluded)

JACK (6 x 2½ Bobbin)

Hank Roving	Twist per Inch	R. P. M. Front Roll	Sets per Day	Hanks per Day	Pounds Production per Spindle for 10 Hours ¹
11.00	3.97-4.31	89-100	1.71- 1.93	5.72- 6.63	.52- .60
12.00	4.15-4.50	85- 95	1.51- 1.70	5.52- 6.36	.46- .53
13.00	4.33-4.69	82- 91	1.34- 1.52	5.33- 6.18	.41- .48
14.00	4.49-4.86	79- 88	1.20- 1.37	5.18- 5.99	.37- .43
16.00	4.80-5.20	74- 83	.99- 1.12	4.96- 5.60	.31- .35
18.00	5.08-5.52	69- 78	.83- .95	4.68- 5.35	.26- .30
20.00	5.36-5.81	66- 74	.71- .81	4.40- 5.06	.22- .28
22.00	5.62-6.10	63- 70	.62- .71	4.18- 4.89	.19- .22
24.00	5.87-6.37	60- 67	.55- .62	4.08- 4.66	.17- .19

JACK (7 x 3 Bobbin)

5.50	2.80-2.82	125-127	3.10- 2.93	7.70- 7.93	1.45- 1.40
5.75	2.88 -	118-123	2.54- 2.40	7.65- 7.76	1.35- 1.33
6.00	2.92-2.94	115-120	2.26- 2.41	7.56- 7.68	1.28- 1.26
6.50	3.06 -	111-116	2.02- 2.14	7.35- 7.41	1.14- 1.13
7.00	3.17 -	107-112	1.82- 1.93	7.14- 7.21	1.03- 1.02
7.50	3.29 -	103-108	1.64- 1.74	6.98- 6.90	.92- .93
8.00	3.39-3.40	100-104	1.50- 1.58	6.76- 6.72	.84- .85
9.00	3.60 -	94- 98	1.27- 1.34	6.48- 6.39	.71- .72

¹ Allowance made for doffing, etc.

Roving Table

For numbering by weight, in grains, of 12 yards; and showing twist per inch

Weight (Grains)	Hank Roving	Square Root	Twist per Inch							
			Twist Multipliers							
			.70	.80	.90	1.00	1.10	1.20	1.25	1.30
500.00	.20	.447	.31	.36	.40	.45	.49	.54	.56	.58
400.00	.25	.500	.35	.40	.45	.50	.55	.60	.63	.65
333.33	.30	.548	.38	.44	.49	.55	.60	.66	.69	.71
285.71	.35	.592	.41	.47	.53	.59	.65	.71	.74	.77
250.00	.40	.632	.44	.50	.57	.63	.69	.76	.79	.82
222.22	.45	.671	.47	.54	.60	.67	.74	.81	.84	.87
200.00	.50	.707	.49	.57	.64	.71	.78	.85	.88	.92
181.82	.55	.742	.52	.59	.67	.74	.82	.89	.93	.96
166.67	.60	.775	.54	.62	.70	.78	.85	.93	.97	1.01
153.85	.65	.806	.56	.64	.73	.81	.89	.97	1.01	1.05
142.86	.70	.837	.59	.67	.75	.84	.92	1.00	1.05	1.09
133.33	.75	.866	.61	.69	.78	.87	.95	1.04	1.08	1.13
125.00	.80	.894	.63	.72	.80	.89	.98	1.07	1.12	1.16
117.65	.85	.922	.65	.74	.83	.92	1.01	1.11	1.15	1.20
111.11	.90	.949	.66	.76	.85	.95	1.04	1.14	1.19	1.23
105.26	.95	.975	.68	.78	.88	.98	1.07	1.17	1.22	1.27
100.00	1.00	1.000	.70	.80	.90	1.00	1.10	1.20	1.25	1.30
95.25	1.05	1.025	.72	.82	.92	1.03	1.13	1.23	1.28	1.33
90.91	1.10	1.049	.73	.84	.94	1.05	1.15	1.26	1.31	1.36
86.96	1.15	1.073	.75	.86	.97	1.07	1.18	1.29	1.34	1.39
83.33	1.20	1.095	.77	.88	.99	1.10	1.20	1.31	1.37	1.42
80.00	1.25	1.118	.78	.89	1.01	1.12	1.23	1.34	1.40	1.45
76.92	1.30	1.140	.80	.91	1.03	1.14	1.25	1.37	1.43	1.48
74.07	1.35	1.162	.81	.93	1.05	1.16	1.28	1.39	1.45	1.51
71.43	1.40	1.183	.83	.95	1.06	1.18	1.30	1.42	1.48	1.54
69.00	1.45	1.204	.84	.96	1.08	1.20	1.32	1.44	1.51	1.57
66.67	1.50	1.225	.86	.98	1.10	1.23	1.35	1.47	1.53	1.59
64.52	1.55	1.245	.87	1.00	1.12	1.25	1.37	1.49	1.56	1.62
62.50	1.60	1.265	.89	1.01	1.14	1.27	1.39	1.52	1.58	1.64
60.61	1.65	1.285	.90	1.03	1.16	1.29	1.41	1.54	1.61	1.67
58.82	1.70	1.304	.91	1.04	1.17	1.30	1.43	1.56	1.63	1.70
57.14	1.75	1.323	.93	1.06	1.19	1.32	1.46	1.59	1.65	1.72
55.56	1.80	1.342	.94	1.07	1.21	1.34	1.48	1.61	1.68	1.74
54.05	1.85	1.360	.95	1.09	1.22	1.36	1.50	1.63	1.70	1.77
52.63	1.90	1.378	.96	1.10	1.24	1.38	1.52	1.65	1.72	1.79
51.27	1.95	1.397	.98	1.12	1.26	1.40	1.54	1.68	1.75	1.82
50.00	2.00	1.414	.99	1.13	1.27	1.41	1.56	1.70	1.77	1.84
48.78	2.05	1.432	1.00	1.15	1.29	1.43	1.58	1.72	1.79	1.86
47.62	2.10	1.449	1.01	1.16	1.30	1.45	1.59	1.74	1.81	1.88
46.51	2.15	1.467	1.03	1.17	1.32	1.47	1.61	1.76	1.83	1.91
45.45	2.20	1.483	1.04	1.19	1.33	1.48	1.63	1.78	1.85	1.93
44.44	2.25	1.500	1.05	1.20	1.35	1.50	1.65	1.80	1.88	1.95
43.48	2.30	1.515	1.06	1.21	1.36	1.52	1.67	1.82	1.89	1.97
42.55	2.35	1.535	1.07	1.23	1.38	1.54	1.69	1.84	1.92	2.00
41.67	2.40	1.549	1.08	1.24	1.39	1.55	1.70	1.86	1.94	2.01
40.82	2.45	1.565	1.10	1.25	1.41	1.57	1.72	1.88	1.96	2.03
40.00	2.50	1.583	1.11	1.27	1.42	1.58	1.74	1.90	1.98	2.06
39.22	2.55	1.597	1.12	1.28	1.44	1.60	1.76	1.92	2.00	2.08
38.46	2.60	1.611	1.13	1.29	1.45	1.61	1.77	1.93	2.01	2.09
37.73	2.65	1.630	1.14	1.30	1.47	1.63	1.79	1.96	2.04	2.12
37.04	2.70	1.643	1.15	1.31	1.48	1.64	1.81	1.97	2.05	2.14
36.36	2.75	1.658	1.16	1.33	1.49	1.66	1.82	1.99	2.07	2.16

Roving Table—(Continued)

Weight (Grains)	Hank Roving	Square Root	TWIST PER INCH							
			TWIST MULTIPLIERS							
			.80	.90	1.00	1.10	1.20	1.25	1.30	1.35
35.71	2.80	1.673	1.34	1.51	1.67	1.84	2.01	2.09	2.17	2.26
35.09	2.85	1.688	1.35	1.52	1.69	1.86	2.03	2.11	2.19	2.28
34.48	2.90	1.703	1.36	1.53	1.70	1.87	2.04	2.13	2.21	2.30
33.91	2.95	1.718	1.37	1.55	1.72	1.89	2.06	2.15	2.23	2.32
33.33	3.00	1.732	1.39	1.56	1.73	1.91	2.08	2.17	2.25	2.34
32.79	3.05	1.746	1.40	1.57	1.75	1.92	2.10	2.18	2.27	2.36
32.26	3.10	1.760	1.41	1.58	1.76	1.94	2.11	2.20	2.29	2.38
31.76	3.15	1.775	1.42	1.60	1.78	1.95	2.13	2.22	2.31	2.40
31.25	3.20	1.789	1.43	1.61	1.79	1.97	2.15	2.24	2.33	2.42
30.78	3.25	1.803	1.44	1.62	1.80	1.98	2.16	2.25	2.34	2.43
30.30	3.30	1.817	1.45	1.64	1.82	2.00	2.18	2.27	2.36	2.45
29.86	3.35	1.831	1.46	1.65	1.83	2.01	2.20	2.29	2.38	2.47
29.41	3.40	1.844	1.48	1.66	1.84	2.02	2.21	2.31	2.40	2.49
28.99	3.45	1.857	1.49	1.67	1.86	2.04	2.23	2.32	2.41	2.51
28.57	3.50	1.870	1.50	1.68	1.87	2.06	2.24	2.34	2.43	2.52
28.17	3.55	1.884	1.51	1.70	1.88	2.07	2.26	2.36	2.45	2.54
27.78	3.60	1.897	1.52	1.71	1.90	2.09	2.28	2.37	2.47	2.56
27.40	3.65	1.910	1.53	1.72	1.91	2.10	2.29	2.39	2.48	2.58
27.03	3.70	1.924	1.54	1.73	1.92	2.12	2.31	2.41	2.50	2.60
26.67	3.75	1.936	1.55	1.74	1.94	2.13	2.32	2.42	2.52	2.61
26.32	3.80	1.950	1.56	1.76	1.95	2.15	2.34	2.44	2.54	2.63
25.98	3.85	1.963	1.57	1.77	1.96	2.16	2.36	2.45	2.55	2.65
25.64	3.90	1.975	1.58	1.78	1.98	2.17	2.37	2.47	2.57	2.67
25.32	3.95	1.987	1.59	1.79	1.99	2.19	2.38	2.48	2.58	2.68
25.00	4.00	2.000	1.60	1.80	2.00	2.20	2.40	2.50	2.60	2.70
24.69	4.05	2.012	1.61	1.81	2.01	2.21	2.41	2.52	2.62	2.72
24.39	4.10	2.025	1.62	1.82	2.03	2.23	2.43	2.53	2.63	2.73
24.10	4.15	2.038	1.63	1.83	2.04	2.24	2.45	2.55	2.65	2.75
23.81	4.20	2.049	1.64	1.84	2.05	2.25	2.46	2.56	2.66	2.77
23.53	4.25	2.063	1.65	1.86	2.06	2.27	2.48	2.58	2.68	2.79
23.26	4.30	2.074	1.66	1.87	2.07	2.28	2.49	2.59	2.70	2.80
23.00	4.35	2.085	1.67	1.88	2.09	2.29	2.50	2.61	2.71	2.81
22.73	4.40	2.098	1.68	1.89	2.10	2.31	2.52	2.62	2.73	2.83
22.48	4.45	2.110	1.69	1.90	2.11	2.32	2.53	2.64	2.74	2.85
22.22	4.50	2.121	1.70	1.91	2.12	2.33	2.55	2.65	2.76	2.86
21.98	4.55	2.133	1.71	1.92	2.13	2.35	2.56	2.67	2.77	2.88
21.74	4.60	2.145	1.72	1.93	2.15	2.36	2.57	2.68	2.79	2.90
21.51	4.65	2.156	1.72	1.94	2.16	2.37	2.59	2.70	2.80	2.91
21.28	4.70	2.167	1.73	1.95	2.17	2.38	2.60	2.71	2.82	2.93
21.05	4.75	2.179	1.74	1.96	2.18	2.40	2.61	2.72	2.83	2.94
20.83	4.80	2.191	1.75	1.97	2.19	2.41	2.63	2.74	2.85	2.96
20.62	4.85	2.202	1.76	1.98	2.20	2.42	2.64	2.75	2.86	2.97
20.41	4.90	2.213	1.77	1.99	2.21	2.43	2.66	2.77	2.88	2.99
20.20	4.95	2.225	1.78	2.00	2.23	2.45	2.67	2.78	2.89	3.00
20.00	5.00	2.236	1.79	2.01	2.24	2.46	2.68	2.80	2.91	3.02
19.80	5.05	2.247	1.80	2.02	2.25	2.47	2.70	2.81	2.92	3.03
19.61	5.10	2.259	1.81	2.03	2.26	2.48	2.71	2.82	2.94	3.05
19.42	5.15	2.269	1.82	2.04	2.27	2.50	2.72	2.84	2.95	3.06
19.23	5.20	2.280	1.82	2.05	2.28	2.51	2.74	2.85	2.96	3.08
19.05	5.25	2.291	1.83	2.06	2.29	2.52	2.75	2.86	2.98	3.09
18.87	5.30	2.302	1.84	2.07	2.30	2.53	2.76	2.88	2.99	3.11
18.69	5.35	2.313	1.85	2.08	2.31	2.54	2.78	2.89	3.01	3.12

Roving Table—(Continued)

Weight (Grains)	Hank Roving	Square Root	TWIST PER INCH							
			TWIST MULTIPLIERS							
			1.00	1.10	1.20	1.25	1.30	1.35	1.40	1.45
18.52	5.40	2.324	2.32	2.56	2.79	2.91	3.02	3.14	3.25	3.37
18.35	5.45	2.334	2.33	2.57	2.80	2.92	3.03	3.15	3.27	3.38
18.18	5.50	2.345	2.35	2.58	2.81	2.93	3.05	3.17	3.28	3.40
18.02	5.55	2.356	2.36	2.59	2.83	2.95	3.06	3.18	3.30	3.42
17.86	5.60	2.366	2.37	2.60	2.84	2.96	3.08	3.19	3.31	3.43
17.70	5.65	2.377	2.38	2.61	2.85	2.97	3.09	3.21	3.33	3.45
17.54	5.70	2.388	2.39	2.63	2.87	2.99	3.10	3.22	3.34	3.46
17.36	5.75	2.398	2.40	2.64	2.88	3.00	3.12	3.24	3.36	3.48
17.24	5.80	2.408	2.41	2.65	2.89	3.01	3.13	3.25	3.37	3.49
17.09	5.85	2.418	2.42	2.66	2.90	3.02	3.14	3.26	3.39	3.51
16.95	5.90	2.429	2.43	2.67	2.91	3.04	3.16	3.28	3.40	3.52
16.81	5.95	2.439	2.44	2.68	2.93	3.05	3.17	3.29	3.41	3.54
16.67	6.00	2.449	2.45	2.69	2.94	3.06	3.18	3.31	3.43	3.55
16.39	6.10	2.470	2.47	2.72	2.96	3.09	3.21	3.33	3.46	3.58
16.27	6.15	2.480	2.48	2.73	2.98	3.10	3.22	3.35	3.47	3.60
16.03	6.25	2.500	2.50	2.75	3.00	3.13	3.25	3.38	3.50	3.63
15.87	6.30	2.510	2.51	2.76	3.01	3.14	3.26	3.39	3.52	3.64
15.62	6.40	2.530	2.53	2.78	3.04	3.16	3.29	3.42	3.54	3.67
15.38	6.50	2.550	2.55	2.81	3.06	3.19	3.32	3.44	3.57	3.70
15.15	6.60	2.569	2.57	2.83	3.08	3.21	3.34	3.47	3.60	3.73
14.93	6.70	2.588	2.59	2.85	3.11	3.24	3.36	3.49	3.62	3.75
14.82	6.75	2.597	2.60	2.86	3.12	3.25	3.38	3.51	3.64	3.77
14.71	6.80	2.608	2.61	2.87	3.13	3.26	3.39	3.52	3.65	3.78
14.49	6.90	2.627	2.63	2.89	3.15	3.28	3.42	3.55	3.68	3.81
14.29	7.00	2.646	2.65	2.91	3.18	3.31	3.44	3.58	3.70	3.84
14.08	7.10	2.665	2.67	2.93	3.20	3.33	3.46	3.60	3.73	3.86
14.00	7.15	2.674	2.67	2.94	3.21	3.34	3.48	3.61	3.74	3.88
13.81	7.25	2.693	2.69	2.96	3.23	3.37	3.50	3.64	3.77	3.90
13.70	7.30	2.702	2.70	2.97	3.24	3.38	3.51	3.65	3.78	3.92
13.51	7.40	2.720	2.72	2.99	3.26	3.40	3.53	3.67	3.81	3.94
13.33	7.50	2.739	2.74	3.01	3.29	3.42	3.56	3.70	3.83	3.97
13.16	7.60	2.759	2.76	3.03	3.31	3.44	3.58	3.72	3.86	4.00
12.99	7.70	2.775	2.78	3.05	3.33	3.47	3.61	3.75	3.89	4.02
12.91	7.75	2.784	2.78	3.06	3.34	3.48	3.62	3.76	3.90	4.04
12.82	7.80	2.793	2.79	3.07	3.35	3.49	3.63	3.77	3.91	4.05
12.66	7.90	2.811	2.81	3.09	3.37	3.51	3.65	3.79	3.94	4.08
12.50	8.00	2.828	2.83	3.11	3.39	3.54	3.68	3.82	3.96	4.10
12.13	8.25	2.872	2.87	3.16	3.45	3.59	3.73	3.88	4.02	4.16
11.76	8.50	2.915	2.92	3.21	3.50	3.64	3.79	3.94	4.08	4.23
11.44	8.75	2.958	2.96	3.25	3.55	3.70	3.85	4.00	4.14	4.29
11.11	9.00	3.000	3.00	3.30	3.60	3.75	3.90	4.05	4.20	4.35
10.82	9.25	3.041	3.04	3.35	3.65	3.80	3.95	4.11	4.26	4.41
10.53	9.50	3.082	3.08	3.39	3.70	3.85	4.00	4.16	4.31	4.47
10.27	9.75	3.122	3.12	3.43	3.75	3.90	4.06	4.21	4.37	4.53
10.00	10.00	3.162	3.16	3.48	3.79	3.95	4.11	4.27	4.43	4.58
9.78	10.25	3.202	3.20	3.52	3.84	4.00	4.16	4.32	4.48	4.64
9.55	10.50	3.240	3.24	3.56	3.89	4.05	4.21	4.37	4.54	4.71
9.32	10.75	3.278	3.28	3.61	3.93	4.10	4.26	4.43	4.59	4.75
9.09	11.00	3.316	3.32	3.65	3.98	4.15	4.31	4.48	4.64	4.81
8.90	11.25	3.355	3.36	3.69	4.03	4.19	4.36	4.53	4.70	4.86
8.71	11.50	3.391	3.39	3.73	4.07	4.24	4.41	4.58	4.75	4.92
8.52	11.75	3.438	3.43	3.77	4.11	4.28	4.46	4.63	4.80	4.97

Roving Table—(Concluded)

Weight (Grains)	Hank Roving	Square Root	TWIST PER INCH							
			TWIST MULTIPLIERS							
			1.10	1.20	1.25	1.30	1.35	1.40	1.45	1.50
8.33	12.00	3.464	3.81	4.16	4.33	4.50	4.68	4.85	5.02	5.20
8.16	12.25	3.500	3.85	4.20	4.38	4.55	4.73	4.90	5.08	5.25
8.00	12.50	3.535	3.89	4.24	4.42	4.60	4.77	4.95	5.13	5.30
7.84	12.75	3.570	3.93	4.28	4.46	4.64	4.82	5.00	5.18	5.36
7.69	13.00	3.605	3.97	4.33	4.51	4.69	4.87	5.05	5.23	5.41
7.55	13.25	3.640	4.00	4.37	4.55	4.73	4.91	5.10	5.28	5.46
7.41	13.50	3.674	4.04	4.41	4.59	4.78	4.96	5.14	5.33	5.51
7.27	13.75	3.709	4.08	4.45	4.64	4.82	5.01	5.19	5.38	5.56
7.14	14.00	3.745	4.12	4.49	4.68	4.88	5.06	5.24	5.43	5.62
7.02	14.25	3.774	4.15	4.53	4.72	4.91	5.09	5.28	5.47	5.66
6.90	14.50	3.810	4.19	4.57	4.76	4.95	5.14	5.33	5.52	5.72
6.78	14.75	3.841	4.23	4.61	4.80	4.99	5.19	5.38	5.57	5.76
6.67	15.00	3.873	4.26	4.65	4.84	5.03	5.23	5.42	5.62	5.81
6.56	15.25	3.905	4.30	4.69	4.88	5.08	5.27	5.47	5.66	5.86
6.45	15.50	3.937	4.33	4.73	4.92	5.12	5.31	5.51	5.71	5.91
6.35	15.75	3.969	4.37	4.76	4.96	5.16	5.36	5.56	5.76	5.95
6.25	16.00	4.000	4.40	4.80	5.00	5.20	5.40	5.60	5.80	6.00
6.16	16.25	4.032	4.44	4.84	5.04	5.24	5.44	5.64	5.85	6.05
6.06	16.50	4.062	4.47	4.87	5.08	5.28	5.48	5.69	5.89	6.09
5.97	16.75	4.092	4.50	4.91	5.12	5.32	5.52	5.73	5.93	6.14
5.88	17.00	4.123	4.54	4.95	5.15	5.36	5.57	5.77	5.98	6.18
5.80	17.25	4.152	4.57	4.98	5.19	5.40	5.61	5.81	6.02	6.23
5.72	17.50	4.183	4.60	5.02	5.23	5.44	5.65	5.86	6.07	6.27
5.64	17.75	4.212	4.63	5.05	5.27	5.48	5.69	5.90	6.11	6.32
5.56	18.00	4.242	4.67	5.09	5.30	5.51	5.73	5.94	6.15	6.36
5.49	18.25	4.272	4.70	5.13	5.34	5.55	5.78	5.98	6.19	6.41
5.41	18.50	4.301	4.73	5.16	5.38	5.59	5.81	6.02	6.24	6.45
5.34	18.75	4.330	4.76	5.20	5.41	5.63	5.85	6.06	6.28	6.49
5.26	19.00	4.358	4.79	5.23	5.45	5.67	5.88	6.10	6.32	6.54
5.20	19.25	4.387	4.82	5.26	5.48	5.70	5.92	6.14	6.36	6.58
5.13	19.50	4.416	4.86	5.30	5.52	5.74	5.96	6.18	6.40	6.62
5.07	19.75	4.444	4.89	5.33	5.56	5.78	6.00	6.22	6.44	6.67
5.00	20.00	4.472	4.92	5.37	5.59	5.81	6.04	6.26	6.48	6.71
4.94	20.25	4.500	4.95	5.40	5.63	5.85	6.08	6.30	6.53	6.75
4.88	20.50	4.527	4.98	5.43	5.66	5.89	6.11	6.34	6.56	6.79
4.82	20.75	4.555	5.01	5.47	5.69	5.92	6.15	6.38	6.60	6.83
4.76	21.00	4.582	5.04	5.50	5.73	5.96	6.19	6.41	6.64	6.87
4.71	21.25	4.609	5.07	5.53	5.76	5.99	6.22	6.45	6.68	6.91
4.66	21.50	4.637	5.10	5.56	5.80	6.03	6.26	6.49	6.72	6.96
4.60	21.75	4.664	5.13	5.60	5.83	6.06	6.30	6.53	6.76	7.00
4.55	22.00	4.690	5.16	5.63	5.86	6.10	6.33	6.57	6.80	7.04
4.50	22.25	4.717	5.19	5.66	5.90	6.13	6.37	6.60	6.84	7.08
4.45	22.50	4.743	5.22	5.69	5.93	6.17	6.40	6.64	6.88	7.11
4.40	22.75	4.769	5.25	5.72	5.96	6.20	6.44	6.68	6.92	7.15
4.35	23.00	4.796	5.28	5.76	6.00	6.23	6.47	6.71	6.95	7.19
4.31	23.25	4.821	5.30	5.79	6.03	6.27	6.51	6.75	6.99	7.23
4.26	23.50	4.848	5.33	5.82	6.06	6.30	6.54	6.79	7.03	7.27
4.22	23.75	4.873	5.36	5.85	6.09	6.33	6.58	6.82	7.07	7.31
4.17	24.00	4.899	5.39	5.88	6.12	6.37	6.61	6.86	7.10	7.35
4.13	24.25	4.924	5.42	5.91	6.16	6.40	6.64	6.89	7.14	7.39
4.09	24.50	4.949	5.44	5.94	6.19	6.43	6.68	6.93	7.18	7.42
4.00	25.00	5.000	5.50	6.00	6.25	6.50	6.75	7.00	7.25	7.50

Conversion Table of Cotton Yarn Numbers

Metric Number	English Number	French Number	Austrian Number	Netherlands Number
1.	0.59	0.5	0.483	0.651
1.694	1.	0.8475	0.818	1.103
2.	1.18	1.	0.966	1.302
2.07	1.222	1.035	1.	1.3478
1.535	0.90629	.768	.74193	1.

Spinning Frame Production

To find 100 per cent Production per Spindle, in Pounds, from Speed of Front Roll:

$$\frac{\text{Circum. of Front Roll} \times \text{R. P. M.} \times \text{Minutes} \times \text{Hours}}{36 \text{ inches} \times 840 \times \text{No. of Yarn}} = \text{Lbs. per spindle.}$$

EXAMPLE:

$$\frac{3.1416 \times 90 \times 60 \times 54}{36 \times 840 \times 52} = .582 \text{ Lbs. per spindle.}$$

Roving Frame Production

To find 100 per cent Production of Roving Frames, in Hanks, from Speed of Front Roll:

$$\frac{\text{Circum. of Front Roll} \times \text{R. P. M.} \times \text{Minutes} \times \text{Hours}}{36 \text{ inches} \times 840} = \text{Hanks per spindle.}$$

EXAMPLE: Assume speed of front roll 80 r. p. m.

Assume Circum. of front roll 3.927 inches.

$$\frac{3.927 \times 80 \times 60 \times 54}{36 \times 840} = 33.66 \text{ Hanks per spindle.}$$

Yarn Organizations

Courtesy W. A. Graham Clark

Yarn Number	Lap	Ounce Per Yard	CARD		DRAW-FRAME		SLUBBER			INTER-MEDIATE			FINE FRAME			JACK FRAME			SPINNING	
			Draft	Sliver Grains	Sliver Grains	Sliver Hank	Doublings	Draft	Hank	Doublings	Draft	Hank	Doublings	Draft	Hank	Doublings	Draft	Hank	Doublings	Draft
6	16	93	75	75	.111	1	3	6	.40	2	5	1.00	-	-	-	-	-	-	1	6.
8	16	-	75	75	.111	1	4	5	.50	2	5	1.25	-	-	-	-	-	-	1	6.4
10	14	94	65	65	.128	1	3	9	.50	2	5.3	1.33	-	-	-	-	-	-	1	7.5
12	14	-	65	65	.128	1	4	7	.60	2	5.3	1.60	-	-	-	-	-	-	1	7.5
-	14	-	65	65	.128	1	3	9	.50	2	4	1.00	2	5	2.50	-	-	-	2	9.6
14	14	-	65	65	.128	1	4	7	.60	2	5.3	1.60	-	-	-	-	-	-	1	8.8
-	14	-	65	65	.128	1	3	9	.50	2	4	1.00	2	5	2.50	-	-	-	2	11.2
16	14	-	65	65	.128	1	4	7	.60	2	6	1.80	-	-	-	-	-	-	1	8.8
-	14	-	65	65	.128	1	3	9	.50	2	4	1.00	2	6	3.00	-	-	-	2	10.6
18	14	-	65	65	.128	1	3	9	.50	2	4	1.00	2	5	2.50	-	-	-	1	7.2
-	14	-	65	65	.128	1	3	9	.50	2	4	1.00	2	6	3.00	-	-	-	2	12.0
20	13	95	60	65	.128	1	3	9	.50	2	4	1.00	2	5	2.50	-	-	-	1	8.0
-	13	-	60	65	.128	1	3	9	.50	2	5.3	1.33	2	6	4.00	-	-	-	2	10.0
22	13	-	60	65	.128	1	3	9	.50	2	4	1.00	2	5	2.50	-	-	-	1	8.8
-	13	-	60	65	.128	1	3	9	.50	2	5.3	1.33	2	6	4.00	-	-	-	2	11.0
24	13	-	60	65	.128	1	3	9	.50	2	4	1.00	2	5	2.50	-	-	-	1	8.0
-	13	-	60	65	.128	1	3	9	.50	2	5.3	1.33	2	6	4.00	-	-	-	2	12.0
26	13	-	60	65	.128	1	3	9	.50	2	4	1.00	2	6	3.00	-	-	-	1	8.7
-	13	-	60	65	.128	1	4	7	.60	2	5	1.50	2	6	4.50	-	-	-	2	11.6
28	12	-	50	60	.139	1	3	6	.50	2	5.3	1.33	2	5.3	3.50	-	-	-	1	8.0
-	12	-	50	60	.139	1	4	7	.65	2	5.5	1.80	2	6	15.50	-	-	-	2	10.2
30	12	-	50	60	.139	1	3	6	.50	2	5.3	1.33	2	5.3	3.50	-	-	-	1	8.6
-	12	-	50	60	.139	1	4	7	.65	2	5.5	1.80	2	6	15.50	-	-	-	2	10.9
32	12	-	50	60	.139	1	3	6	.50	2	5.3	1.33	2	6	4.00	-	-	-	1	8.0
-	12	-	50	60	.139	1	4	7	.65	2	5.5	1.80	2	6	15.50	-	-	-	2	11.6
34	12	-	50	60	.139	1	3	6	.50	2	5.3	1.33	2	6	4.00	-	-	-	1	8.5
-	12	-	50	60	.139	1	4	7	.65	2	5.5	1.80	2	6	15.50	-	-	-	2	12.4
36	12	-	50	60	.139	1	3	6	.50	2	5.3	1.33	2	6	4.00	-	-	-	1	9.0
-	12	-	50	60	.139	1	3	6	.50	2	4	1.00	2	5	2.50	2	5.2	6.5	2	11.1
38	12	-	50	60	.139	1	3	6	.50	2	5.3	1.33	2	6	4.00	-	-	-	1	9.5
-	12	-	50	60	.139	1	3	6	.50	2	4	1.00	2	5	2.50	2	5.2	6.5	2	11.7
40	12	-	50	60	.139	1	3	6	.50	2	4	1.00	2	5	2.50	2	6.4	8.0	2	10.0
50	12	117	45	60	.139	1	3	6	.50	2	4	1.00	2	6	3.00	2	6.7	10.	2	10.0
60	12	-	45	60	.139	1	4	3	.60	2	5	1.50	2	5.3	4.00	2	6.0	12.	2	10.0
70	12	-	45	60	.139	1	4	3	.60	2	5	1.50	2	6	4.50	2	6.2	14.	2	10.0
80	12	-	45	60	.139	1	4	7	.65	2	5.5	1.80	2	5	65.00	2	6.4	16.	2	10.0
90	12	-	45	60	.139	1	4	7	.65	2	5.5	1.80	2	6	15.50	2	6.5	18.	2	10.0
100	12	-	45	60	.139	1	4	7	.65	2	5.5	1.80	2	6	45.75	2	7.0	20.	2	10.0
110	11	137	35	50	.167	1	4	8	.80	2	5.5	2.25	2	6	6.76	2	6.5	22.	2	10.0
120	11	-	35	50	.167	1	4	8	.80	2	5.5	2.25	2	6	6.75	2	7.1	24.	2	10.0

Square Root of the Numbers or Counts, from One to Two Hundred Hanks in the Pound, with the Twist per Inch for Different Kinds of Yarns

The heavy figures opposite No. 1 show the multipliers for the square root of all numbers throughout the tables.

Counts or Numbers	Square Root	Ordinary Warp Twist	Low Warp Twist	Ordinary Mule Twist	Filling Twist	Ordinary Hosiery Twist	Medium Hosiery Twist
1	1.00	4.75	4.20	3.75	3.25	2.75	2.50
2	1.41	6.72	5.65	5.30	4.60	3.88	3.53
3	1.73	8.23	6.92	6.49	5.62	4.76	4.33
4	2.00	9.50	8.00	7.50	6.50	5.50	5.00
5	2.23	10.62	8.94	8.37	7.26	6.14	5.59
6	2.44	11.64	9.79	9.18	7.96	6.73	6.12
7	2.64	12.57	10.58	9.92	8.59	7.27	6.61
8	2.82	13.44	11.31	10.50	9.19	7.77	7.07
9	3.00	14.25	12.00	11.25	9.75	8.25	7.50
10	3.16	15.02	12.64	11.85	10.27	8.79	7.90
11	3.31	15.75	13.26	12.43	10.77	9.12	8.29
12	3.46	16.45	13.85	12.99	11.25	9.52	8.66
14	3.74	17.77	14.96	14.03	12.16	10.28	9.35
16	4.00	19.00	16.00	15.00	13.00	11.00	10.00
18	4.24	20.15	16.97	15.90	13.78	11.66	10.60
20	4.47	21.24	17.88	16.77	14.53	12.29	11.18
22	4.69	22.28	18.76	17.58	15.24	12.89	11.73
24	4.89	23.27	19.59	18.37	15.92	13.47	12.25
26	5.09	24.22	20.39	19.11	16.57	14.02	12.75
28	5.29	25.13	21.16	19.84	17.19	14.55	13.23
30	5.47	26.02	21.90	20.53	17.80	15.06	13.69
35	5.91	28.10	23.66	22.18	19.22	16.27	14.79
40	6.32	30.04	25.29	23.71	20.55	17.39	15.81
45	6.70	31.86	26.83	25.15	21.80	18.44	16.77
50	7.07	33.59	28.28	26.51	22.98	19.44	17.68
55	7.41	35.23	29.66	27.81	24.10	20.39	18.54
60	7.74	36.79	30.98	29.04	25.17	21.30	19.36
65	8.06	38.30	32.24	30.23	26.20	22.17	
70	8.36	39.74	33.46	31.37	27.19	23.00	
75	8.66	41.14	34.64	32.47	28.14	23.81	
80	8.94	42.49	35.77	33.54	29.06	24.59	
85	9.21	43.79	36.87	34.57	29.96	25.35	
90	9.48	45.06	37.94	35.47	30.83	26.08	
95	9.74	46.30	38.98	36.55	31.67	26.80	
100	10.00	47.50	40.00	37.50	32.50	27.50	
110	10.48	49.82	41.95	39.33	34.08	28.84	
120	10.95	52.03	43.81	41.07	35.60	30.12	
130	11.40	54.16	45.60	42.75	37.05	31.35	
140	11.83	56.20	47.32	44.37	38.47	32.54	
150	12.24	58.04	48.98	45.92	39.80	33.68	
160	12.64	60.04	50.59	47.43	41.10	34.78	
170	13.03	61.89	52.15	48.89	42.37	35.85	
180	13.41	63.70	53.66	50.31	43.60	36.89	
190	13.78	65.46	55.13	51.69	44.79	37.90	
200	14.14	67.17	56.56	53.03	45.96	38.89	

Comparison of English and French Counts of Cotton Yarn

English Counts	French Counts	English Counts	French Counts	English Counts	French Counts	English Counts	French Counts	English Counts	French Counts
1	0.847	17	14.40	46	38.96	78	66.07	150	127.05
2	1.693	18	15.25	48	40.66	80	67.76	160	135.52
3	2.540	19	16.09	50	42.35	82	69.45	170	143.99
4	3.388	20	16.94	52	44.04	84	71.15	180	152.46
5	4.235	22	18.63	54	45.74	86	72.84	190	160.93
6	5.082	24	20.33	56	47.43	88	74.54	200	169.40
7	5.929	26	22.02	58	49.13	90	76.23	210	177.87
8	6.776	28	23.72	60	50.82	92	77.92	220	186.34
9	7.623	30	25.41	62	52.51	94	79.62	230	194.81
10	8.470	32	27.10	64	54.21	96	81.31	240	203.28
11	9.313	34	28.80	66	55.90	98	83.01	250	211.75
12	10.16	36	30.49	68	57.00	100	84.70	260	220.22
13	11.01	38	32.19	70	59.29	110	93.17	270	228.69
14	11.86	40	33.88	72	60.98	120	101.64	280	237.16
15	12.70	42	35.57	74	62.68	130	110.11	290	245.63
16	13.55	44	37.27	76	64.37	140	118.58	300	254.10

Comparison of French and English Counts of Cotton Yarn

French Counts	English Counts	French Counts	English Counts	French Counts	English Counts	French Counts	English Counts	French Counts	English Counts
1	1.18	17	20.1	46	54.3	78	92.—	150	177.—
2	2.36	18	21.2	48	56.6	80	94.4	160	189.—
3	3.54	19	22.4	50	59.—	82	96.8	170	201.—
4	4.72	20	23.6	52	61.4	84	99.2	180	212.—
5	5.90	22	26.—	54	63.7	86	101.5	190	224.—
6	7.08	24	28.3	56	66.1	88	103.8	200	236.—
7	8.26	26	30.7	58	68.4	90	106.2	210	247.8
8	9.44	28	33.—	60	70.8	92	108.6	220	260.—
9	10.6	30	35.4	62	73.1	94	110.9	230	271.4
10	11.8	32	37.8	64	75.5	96	113.2	240	283.—
11	13.—	34	40.1	66	77.9	98	115.6	250	295.—
12	14.2	36	42.5	68	80.2	100	118.—	260	307.—
13	15.3	38	44.8	70	82.6	110	130.—	270	318.6
14	16.5	40	47.2	72	84.9	120	141.6	280	330.—
15	17.7	42	49.6	74	87.3	130	153.—	290	342.2
16	18.9	44	51.9	76	89.7	140	165.—	300	354.—

Yarn Table

For numbering cotton yarn by the weight in grains of 120 yards or 1 skein

120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn
1.	1,000.	.3	81.30	.6	56.82	.9	43.67	.2	35.46
2.	500.	.4	80.65	.7	56.50	23.	43.48	.3	35.34
3.	333.3	.5	80.00	.8	56.18	.1	43.29	.4	35.21
4.	250.0	.6	79.37	.9	55.87	.2	43.10	.5	35.09
5.	200.0	.7	78.74	18.	55.56	.3	42.92	.6	34.97
5.5	181.8	.8	78.12	.1	55.25	.4	42.74	.7	34.84
6.	166.7	.9	77.52	.2	54.95	.5	42.55	.8	34.72
6.5	153.8	13.	76.92	.3	54.64	.6	42.37	.9	34.60
7.	142.9	.1	76.34	.4	54.35	.7	42.19	29.	34.48
7.5	133.3	.2	75.76	.5	54.05	.8	42.02	.1	34.36
8.	125.0	.3	75.19	.6	53.76	.9	41.84	.2	34.25
.1	123.5	.4	74.63	.7	53.48	24.	41.67	.3	34.13
.2	122.0	.5	74.07	.8	53.19	.1	41.49	.4	34.01
.3	120.5	.6	73.53	.9	52.91	.2	41.32	.5	33.90
.4	119.0	.7	72.99	19.	52.63	.3	41.15	.6	33.78
.5	117.6	.8	72.46	.1	52.36	.4	40.98	.7	33.67
.6	116.3	.9	71.94	.2	52.08	.5	40.82	.8	33.56
.7	114.9	14.	71.43	.3	51.81	.6	40.65	.9	33.44
.8	113.6	.1	70.92	.4	51.55	.7	40.49	30.	33.33
.9	112.4	.2	70.42	.5	51.28	.8	40.32	.1	33.22
9.	111.1	.3	69.93	.6	51.02	.9	40.16	.2	33.11
.1	109.9	.4	69.44	.7	50.76	25.	40.00	.3	33.00
.2	108.7	.5	68.97	.8	50.51	.1	39.84	.4	32.89
.3	107.5	.6	68.49	.9	50.25	.2	39.68	.5	32.79
.4	106.4	.7	68.03	20.	50.00	.3	39.53	.6	32.68
.5	105.3	.8	67.57	.1	49.75	.4	39.37	.7	32.57
.6	104.2	.9	67.11	.2	49.50	.5	39.22	.8	32.47
.7	103.1	15.	66.67	.3	49.26	.6	39.06	.9	32.36
.8	102.0	.1	66.23	.4	49.02	.7	38.91	31.	32.26
.9	101.0	.2	65.79	.5	48.78	.8	38.76	.1	32.16
10.	100.0	.3	65.36	.6	48.54	.9	38.61	.2	32.05
.1	99.01	.4	64.94	.7	48.31	26.	38.46	.3	31.95
.2	98.04	.5	64.52	.8	48.08	.1	38.31	.4	31.85
.3	97.09	.6	64.10	.9	47.85	.2	38.17	.5	31.75
.4	96.15	.7	63.69	21.	47.62	.3	38.02	.6	31.65
.5	95.24	.8	63.29	.1	47.33	.4	37.88	.7	31.55
.6	94.34	.9	62.89	.2	47.17	.5	37.74	.8	31.45
.7	93.46	16.	62.50	.3	46.95	.6	37.59	.9	31.35
.8	92.59	.1	62.11	.4	46.73	.7	37.45	32.	31.25
.9	91.74	.2	61.73	.5	46.51	.8	37.31	.1	31.15
11.	90.91	.3	61.35	.6	46.30	.9	37.17	.2	31.06
.1	90.09	.4	60.98	.7	46.08	27.	37.04	.3	30.96
.2	89.29	.5	60.61	.8	45.87	.1	36.90	.4	30.86
.3	88.50	.6	60.24	.9	45.66	.2	36.77	.5	30.77
.4	87.72	.7	59.88	22.	45.45	.3	36.63	.6	30.67
.5	86.96	.8	59.52	.1	45.25	.4	36.50	.7	30.58
.6	86.21	.9	59.17	.2	45.05	.5	36.36	.8	30.49
.7	85.47	17.	58.82	.3	44.84	.6	36.23	.9	30.40
.8	84.75	.1	58.48	.4	44.64	.7	36.10	33.	30.30
.9	84.03	.2	58.14	.5	44.44	.8	35.97	.1	30.21
12.	83.33	.3	57.80	.6	44.25	.9	35.84	.2	30.12
.1	82.64	.4	57.47	.7	44.05	28.	35.71	.3	30.03
.2	81.97	.5	57.14	.8	43.86	.1	35.59	.4	29.94

Yarn Table — (Continued)

For numbering cotton yarn by the weight in grains of 120 yards or 1 skein

120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn
.5	29.85	.8	25.77	.1	22.68	.4	20.24	.7	18.28
.6	29.76	.9	25.71	.2	22.62	.5	20.20	.8	18.25
.7	29.67	39.	25.64	.3	22.57	.6	20.16	.9	18.21
.8	29.59	.1	25.58	.4	22.52	.7	20.12	55.	18.18
.9	29.50	.2	25.51	.5	22.47	.8	20.08	.1	18.15
34.	29.41	.3	25.45	.6	22.42	.9	20.04	.2	18.12
.1	29.33	.4	25.38	.7	22.37	50.	20.00	.3	18.08
.2	29.24	.5	25.32	.8	22.32	.1	19.96	.4	18.05
.3	29.15	.6	25.25	.9	22.27	.2	19.92	.5	18.02
.4	29.07	.7	25.19	45.	22.22	.3	19.88	.6	17.99
.5	28.99	.8	25.13	.1	22.17	.4	19.84	.7	17.95
.6	28.90	.9	25.06	.2	22.12	.5	19.80	.8	17.92
.7	28.82	40.	25.00	.3	22.08	.6	19.76	.9	17.89
.8	28.74	.1	24.94	.4	22.03	.7	19.72	56.	17.86
.9	28.65	.2	24.88	.5	21.98	.8	19.69	.1	17.83
35.	28.57	.3	24.81	.6	21.93	.9	19.65	.2	17.79
.1	28.49	.4	24.75	.7	21.88	51.	19.61	.3	17.76
.2	28.41	.5	24.69	.8	21.83	.1	19.57	.4	17.73
.3	28.33	.6	24.63	.9	21.79	.2	19.53	.5	17.70
.4	28.25	.7	24.57	46.	21.74	.3	19.49	.6	17.67
.5	28.17	.8	24.51	.1	21.69	.4	19.46	.7	17.64
.6	28.09	.9	24.45	.2	21.65	.5	19.42	.8	17.61
.7	28.01	41.	24.39	.3	21.60	.6	19.38	.9	17.57
.8	27.93	.1	24.33	.4	21.55	.7	19.34	57.	17.54
.9	27.86	.2	24.27	.5	21.51	.8	19.31	.1	17.51
36.	27.78	.3	24.21	.6	21.46	.9	19.27	.2	17.48
.1	27.70	.4	24.15	.7	21.41	52.	19.23	.3	17.45
.2	27.62	.5	24.10	.8	21.37	.1	19.19	.4	17.42
.3	27.55	.6	24.04	.9	21.32	.2	19.16	.5	17.39
.4	27.47	.7	23.98	47.	21.28	.3	19.12	.6	17.36
.5	27.40	.8	23.92	.1	21.23	.4	19.08	.7	17.33
.6	27.32	.9	23.87	.2	21.19	.5	19.05	.8	17.30
.7	27.25	42.	23.81	.3	21.14	.6	19.01	.9	17.27
.8	27.17	.1	23.75	.4	21.10	.7	18.98	58.	17.24
.9	27.10	.2	23.70	.5	21.05	.8	18.94	.1	17.21
37.	27.03	.3	23.64	.6	21.01	.9	18.90	.2	17.18
.1	26.95	.4	23.58	.7	20.96	53.	18.87	.3	17.15
.2	26.88	.5	23.53	.8	20.92	.1	18.83	.4	17.12
.3	26.81	.6	23.47	.9	20.88	.2	18.80	.5	17.09
.4	26.74	.7	23.42	48.	20.83	.3	18.76	.6	17.06
.5	26.67	.8	23.36	.1	20.79	.4	18.73	.7	17.04
.6	26.60	.9	23.31	.2	20.75	.5	18.69	.8	17.01
.7	26.53	43.	23.26	.3	20.70	.6	18.66	.9	16.98
.8	26.46	.1	23.20	.4	20.66	.7	18.62	59.	16.95
.9	26.39	.2	23.15	.5	20.62	.8	18.59	.1	16.92
38.	26.32	.3	23.09	.6	20.57	.9	18.55	.2	16.89
.1	26.25	.4	23.04	.7	20.53	54.	18.52	.3	16.86
.2	26.18	.5	22.99	.8	20.49	.1	18.48	.4	16.84
.3	26.11	.6	22.94	.9	20.45	.2	18.45	.5	16.81
.4	26.04	.7	22.88	49.	20.41	.3	18.42	.6	16.78
.5	25.97	.8	22.83	.1	20.37	.4	18.38	.7	16.75
.6	25.91	.9	22.78	.2	20.33	.5	18.35	.8	16.72
.7	25.84	44.	22.73	.3	20.28	.6	18.32	.9	16.69

Yarn Table — (Continued)

For numbering cotton yarn by the weight in grains of 120 yards or 1 skein

120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn
60.	16.67	.3	15.31	.6	14.16	.9	13.18	.2	12.32
.1	16.64	.4	15.29	.7	14.14	76.	13.16	.3	12.30
.2	16.61	.5	15.27	.8	14.12	.1	13.14	.4	12.29
.3	16.58	.6	15.24	.9	14.10	.2	13.12	.5	12.27
.4	16.56	.7	15.22	71.	14.08	.3	13.11	.6	12.25
.5	16.53	.8	15.20	.1	14.06	.4	13.09	.7	12.24
.6	16.50	.9	15.17	.2	14.04	.5	13.07	.8	12.22
.7	16.47	66.	15.15	.3	14.03	.6	13.05	.9	12.21
.8	16.45	.1	15.13	.4	14.01	.7	13.04	82.	12.20
.9	16.42	.2	15.11	.5	13.99	.8	13.02	.1	12.18
61.	16.39	.3	15.08	.6	13.97	.9	13.00	.2	12.17
.1	16.37	.4	15.06	.7	13.95	77.	12.99	.3	12.15
.2	16.34	.5	15.04	.8	13.93	.1	12.97	.4	12.14
.3	16.31	.6	15.02	.9	13.91	.2	12.95	.5	12.12
.4	16.29	.7	14.99	72.	13.89	.3	12.94	.6	12.11
.5	16.26	.8	14.97	.1	13.87	.4	12.92	.7	12.09
.6	16.23	.9	14.95	.2	13.85	.5	12.90	.8	12.08
.7	16.21	67.	14.93	.3	13.83	.6	12.89	.9	12.06
.8	16.19	.1	14.90	.4	13.81	.7	12.87	83.	12.05
.9	16.16	.2	14.88	.5	13.79	.8	12.85	.1	12.03
62.	16.13	.3	14.86	.6	13.77	.9	12.84	.2	12.02
.1	16.10	.4	14.84	.7	13.76	78.	12.82	.3	12.00
.2	16.08	.5	14.81	.8	13.74	.1	12.80	.4	11.99
.3	16.05	.6	14.79	.9	13.72	.2	12.79	.5	11.98
.4	16.03	.7	14.77	73.	13.70	.3	12.77	.6	11.96
.5	16.00	.8	14.75	.1	13.68	.4	12.76	.7	11.95
.6	15.97	.9	14.73	.2	13.66	.5	12.74	.8	11.93
.7	15.95	68.	14.71	.3	13.64	.6	12.72	.9	11.92
.8	15.92	.1	14.68	.4	13.62	.7	12.71	84.	11.90
.9	15.90	.2	14.66	.5	13.61	.8	12.69	.1	11.89
63.	15.87	.3	14.64	.6	13.59	.9	12.67	.2	11.88
.1	15.85	.4	14.62	.7	13.57	79.	12.66	.3	11.86
.2	15.83	.5	14.60	.8	13.55	.1	12.64	.4	11.85
.3	15.80	.6	14.58	.9	13.53	.2	12.63	.5	11.83
.4	15.77	.7	14.56	74.	13.51	.3	12.61	.6	11.82
.5	15.75	.8	14.53	.1	13.50	.4	12.59	.7	11.81
.6	15.72	.9	14.51	.2	13.48	.5	12.58	.8	11.79
.7	15.70	69.	14.49	.3	13.46	.6	12.56	.9	11.78
.8	15.67	.1	14.47	.4	13.44	.7	12.55	85.	11.76
.9	15.65	.2	14.45	.5	13.42	.8	12.53	.1	11.75
64.	15.62	.3	14.43	.6	13.40	.9	12.52	.2	11.74
.1	15.60	.4	14.41	.7	13.39	80.	12.50	.3	11.72
.2	15.58	.5	14.39	.8	13.37	.1	12.48	.4	11.71
.3	15.55	.6	14.37	.9	13.35	.2	12.47	.5	11.70
.4	15.53	.7	14.35	75.	13.33	.3	12.45	.6	11.68
.5	15.50	.8	14.33	.1	13.32	.4	12.44	.7	11.67
.6	15.48	.9	14.31	.2	13.30	.5	12.42	.8	11.66
.7	15.46	70.	14.29	.3	13.28	.6	12.41	.9	11.64
.8	15.43	.1	14.27	.4	13.26	.7	12.39	86.	11.63
.9	15.41	.2	14.25	.5	13.25	.8	12.38	.1	11.61
65.	15.38	.3	14.22	.6	13.23	.9	12.36	.2	11.60
.1	15.36	.4	14.20	.7	13.21	81.	12.35	.3	11.59
.2	15.34	.5	14.18	.8	13.19	.1	12.33	.4	11.57

Yarn Table — (Continued)

For numbering cotton yarn by the weight in grains of 120 yards or 1 skein

120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn
.5	11.56	.8	10.89	.1	10.30	.4	9.77	.7	9.29
.6	11.55	.9	10.88	.2	10.29	.5	9.76	.8	9.28
.7	11.53	92.	10.87	.3	10.28	.6	9.75	.9	9.27
.8	11.52	.1	10.86	.4	10.27	.7	9.74	108.	9.26
.9	11.51	.2	10.85	.5	10.26	.8	9.73	.1	9.25
87.	11.49	.3	10.83	.6	10.25	.9	9.72	.2	9.24
.1	11.48	.4	10.82	.7	10.24	103.	9.71	.3	9.23
.2	11.47	.5	10.81	.8	10.22	.1	9.70	.4	9.23
.3	11.45	.6	10.80	.9	10.21	.2	9.69	.5	9.22
.4	11.44	.7	10.79	98.	10.20	.3	9.68	.6	9.21
.5	11.43	.8	10.78	.1	10.19	.4	9.67	.7	9.20
.6	11.42	.9	10.76	.2	10.18	.5	9.66	.8	9.19
.7	11.40	93.	10.75	.3	10.17	.6	9.65	.9	9.18
.8	11.39	.1	10.74	.4	10.16	.7	9.64	109.	9.17
.9	11.38	.2	10.73	.5	10.15	.8	9.63	.2	9.16
88.	11.36	.3	10.72	.6	10.14	.9	9.62	.4	9.14
.1	11.35	.4	10.71	.7	10.13	104.	9.62	.6	9.12
.2	11.34	.5	10.70	.8	10.12	.1	9.61	.8	9.11
.3	11.33	.6	10.68	.9	10.11	.2	9.60	110.	9.09
.4	11.31	.7	10.67	99.	10.10	.3	9.59	.2	9.07
.5	11.30	.8	10.66	.1	10.09	.4	9.58	.4	9.06
.6	11.29	.9	10.65	.2	10.08	.5	9.57	.6	9.04
.7	11.27	94.	10.64	.3	10.07	.6	9.56	.8	9.03
.8	11.26	.1	10.63	.4	10.06	.7	9.55	111.	9.01
.9	11.25	.2	10.62	.5	10.05	.8	9.54	.2	8.99
89.	11.24	.3	10.60	.6	10.04	.9	9.53	.4	8.98
.1	11.22	.4	10.59	.7	10.03	105.	9.52	.6	8.96
.2	11.21	.5	10.58	.8	10.02	.1	9.51	.8	8.94
.3	11.20	.6	10.57	.9	10.01	.2	9.51	112.	8.93
.4	11.19	.7	10.56	100.	10.00	.3	9.50	.2	8.91
.5	11.17	.8	10.55	.1	9.99	.4	9.49	.4	8.90
.6	11.16	.9	10.54	.2	9.98	.5	9.48	.6	8.88
.7	11.15	95.	10.53	.3	9.97	.6	9.47	.8	8.87
.8	11.14	.1	10.52	.4	9.96	.7	9.46	113.	8.85
.9	11.12	.2	10.50	.5	9.95	.8	9.45	.2	8.83
90.	11.11	.3	10.49	.6	9.94	.9	9.44	.4	8.82
.1	11.10	.4	10.48	.7	9.93	106.	9.43	.6	8.80
.2	11.09	.5	10.47	.8	9.92	.1	9.43	.8	8.79
.3	11.07	.6	10.46	.9	9.91	.2	9.42	114.	8.77
.4	11.06	.7	10.45	101.	9.90	.3	9.41	.2	8.76
.5	11.05	.8	10.44	.1	9.89	.4	9.40	.4	8.74
.6	11.04	.9	10.43	.2	9.88	.5	9.39	.6	8.73
.7	11.03	96.	10.42	.3	9.87	.6	9.38	.8	8.71
.8	11.01	.1	10.41	.4	9.86	.7	9.37	115.	8.70
.9	11.00	.2	10.40	.5	9.85	.8	9.36	.2	8.68
91.	10.99	.3	10.38	.6	9.84	.9	9.35	.4	8.67
.1	10.98	.4	10.37	.7	9.83	107.	9.35	.6	8.65
.2	10.96	.5	10.36	.8	9.82	.1	9.34	.8	8.64
.3	10.95	.6	10.35	.9	9.81	.2	9.33	116.	8.62
.4	10.94	.7	10.34	102.	9.80	.3	9.32	.2	8.61
.5	10.93	.8	10.33	.1	9.79	.4	9.31	.4	8.59
.6	10.92	.9	10.32	.2	9.78	.5	9.30	.6	8.58
.7	10.91	97.	10.31	.3	9.78	.6	9.29	.8	8.56

Yarn Table — (Continued)

For numbering cotton yarn by the weight in grains of 120 yards or 1 skein

120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn
117.	8.55	.5	7.33	163.	6.13	209.	4.78	274.	3.65
.2	8.53	137.	7.30	.5	6.12	210.	4.76	276.	3.62
.4	8.52	.5	7.27	164.	6.10	211.	4.74	278.	3.60
.6	8.50	138.	7.25	.5	6.08	212.	4.72	280.	3.57
.8	8.49	.5	7.22	165.	6.06	213.	4.69	282.	3.55
118.	8.47	139.	7.19	.5	6.04	214.	4.67	284.	3.52
.2	8.46	.5	7.17	166.	6.02	215.	4.65	286.	3.50
.4	8.45	140.	7.14	.5	6.01	216.	4.63	288.	3.47
.6	8.43	.5	7.12	167.	5.99	217.	4.61	290.	3.45
.8	8.42	141.	7.09	.5	5.97	218.	4.59	292.	3.42
119.	8.40	.5	7.07	168.	5.95	219.	4.57	294.	3.40
.2	8.39	142.	7.04	.5	5.93	220.	4.55	296.	3.33
.4	8.38	.5	7.02	169.	5.92	221.	4.52	298.	3.36
.6	8.36	143.	6.99	.5	5.90	222.	4.50	300.	3.33
.8	8.35	.5	6.97	170.	5.88	223.	4.48	302.	3.31
120.	8.33	144.	6.94	.5	5.85	224.	4.46	304.	3.29
.2	8.32	.5	6.92	172.	5.81	225.	4.44	306.	3.27
.4	8.31	145.	6.90	.5	5.78	226.	4.42	308.	3.25
.6	8.29	.5	6.87	174.	5.75	227.	4.41	310.	3.23
.8	8.28	146.	6.85	.5	5.71	228.	4.39	312.	3.21
121.	8.26	.5	6.83	176.	5.68	229.	4.37	314.	3.18
.4	8.24	147.	6.80	.5	5.65	230.	4.35	316.	3.17
.6	8.22	.5	6.78	178.	5.62	231.	4.33	318.	3.14
.8	8.21	148.	6.76	.5	5.59	232.	4.31	320.	3.12
122.	8.20	.5	6.73	180.	5.56	233.	4.29	322.	3.11
.5	8.16	149.	6.71	.5	5.52	234.	4.27	324.	3.09
123.	8.13	.5	6.69	182.	5.49	235.	4.26	326.	3.07
.5	8.10	150.	6.67	.5	5.46	236.	4.24	328.	3.05
124.	8.06	.5	6.64	184.	5.43	237.	4.22	330.	3.03
.5	8.03	151.	6.62	.5	5.41	238.	4.20	332.	3.01
125.	8.00	.5	6.60	186.	5.38	239.	4.18	334.	2.99
.5	7.97	152.	6.58	.5	5.35	240.	4.17	336.	2.98
126.	7.94	.5	6.56	188.	5.32	241.	4.15	338.	2.96
.5	7.91	153.	6.54	.5	5.29	242.	4.13	340.	2.94
127.	7.87	.5	6.51	190.	5.26	243.	4.12	342.	2.92
.5	7.84	154.	6.49	.5	5.24	244.	4.10	344.	2.91
128.	7.81	.5	6.47	192.	5.21	245.	4.08	346.	2.89
.5	7.78	155.	6.45	.5	5.18	246.	4.07	348.	2.87
129.	7.75	.5	6.43	194.	5.15	247.	4.05	350.	2.86
.5	7.72	156.	6.41	.5	5.13	248.	4.03	352.	2.84
130.	7.69	.5	6.39	196.	5.10	249.	4.02	354.	2.82
.5	7.66	157.	6.36	.5	5.08	250.	4.00	356.	2.81
131.	7.63	.5	6.35	198.	5.05	252.	3.97	358.	2.79
.5	7.60	158.	6.33	.5	5.03	254.	3.94	360.	2.78
132.	7.58	.5	6.31	200.	5.00	256.	3.91	362.	2.76
.5	7.55	159.	6.29	.5	4.98	258.	3.88	364.	2.75
133.	7.52	.5	6.27	202.	4.95	260.	3.85	366.	2.73
.5	7.49	160.	6.25	.5	4.93	262.	3.82	368.	2.72
134.	7.46	.5	6.23	204.	4.90	264.	3.79	370.	2.70
.5	7.43	161.	6.21	.5	4.88	266.	3.76	372.	2.69
135.	7.41	.5	6.19	206.	4.85	268.	3.73	374.	2.67
.5	7.38	162.	6.17	.5	4.83	270.	3.70	376.	2.66
136.	7.35	.5	6.15	208.	4.81	272.	3.68	378.	2.65

Yarn Table — (Concluded)

For numbering cotton yarn by the weight in grains of 120 yards or 1 skein

120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn	120 Yards Weight (Grains)	Number of Yarn
380.	2.63	450.	2.22	525.	1.90	600.	1.67	750.	1.33
382.	2.62	455.	2.20	530.	1.89	610.	1.64	760.	1.32
385.	2.60	460.	2.17	535.	1.87	620.	1.61	770.	1.30
390.	2.56	465.	2.15	540.	1.85	630.	1.59	780.	1.28
395.	2.53	470.	2.13	545.	1.83	640.	1.56	790.	1.27
400.	2.50	475.	2.11	550.	1.82	650.	1.54	800.	1.25
405.	2.47	480.	2.08	555.	1.80	660.	1.52	820.	1.22
410.	2.44	485.	2.06	560.	1.79	670.	1.49	840.	1.19
415.	2.41	490.	2.04	565.	1.77	680.	1.47	860.	1.16
420.	2.38	495.	2.02	570.	1.75	690.	1.45	880.	1.14
425.	2.35	500.	2.00	575.	1.74	700.	1.43	900.	1.11
430.	2.33	505.	1.98	580.	1.72	710.	1.41	925.	1.08
435.	2.30	510.	1.96	585.	1.71	720.	1.39	950.	1.05
440.	2.27	515.	1.94	590.	1.69	730.	1.37	975.	1.03
445.	2.25	520.	1.92	595.	1.68	740.	1.35	1,000.	1.00

Yarn Number

To find the yarn number or count:

$$\frac{\text{Number of yards in Sample} \times \text{Grains in a Pound}}{\text{Weight of sample in grains} \times \text{standard}} = \text{Yarn Number}$$

Or for cotton yarn using a 120 yard skein:

$$\frac{120 \times 7,000}{\text{Weight of sample} \times 840} = \frac{1,000}{\text{Weight of sample in grains}} = \text{Yarn Number}$$

Comparative Yarn Tables

Spun Silk and Cotton Scale	Yards per Pound	Yards per Ounce	Scale in Legal Deniers	Linen or Wool (Cut System)	Worsted Scale	Woolen Run Scale
1	840	52 $\frac{1}{2}$	5,314.915	2.800	1 $\frac{1}{2}$	.525
2	1,680	105	2,657.457	5.600	3	1.05
3	2,520	157 $\frac{1}{2}$	1,771.638	8.400	4 $\frac{1}{2}$	1.58
4	3,360	210	1,328.729	11.200	6	2.10
5	4,200	262 $\frac{1}{2}$	1,062.983	14.000	7 $\frac{1}{2}$	2.63
6	5,040	315	885.819	16.800	9	3.15
7	5,880	367 $\frac{1}{2}$	759.274	19.600	10 $\frac{1}{2}$	3.68
8	6,720	420	664.364	22.400	12	4.20
9	7,560	472 $\frac{1}{2}$	590.546	25.200	13 $\frac{1}{2}$	4.73
10	8,400	525	531.491	28.000	15	5.25
11	9,240	577 $\frac{1}{2}$	483.172	30.800	16 $\frac{1}{2}$	5.78
12	10,080	630	442.910	33.600	18	6.30
13	10,920	682 $\frac{1}{2}$	408.839	36.400	19 $\frac{1}{2}$	6.83
14	11,760	735	379.637	39.200	21	7.35
15	12,600	787 $\frac{1}{2}$	354.328	42.000	22 $\frac{1}{2}$	7.88
16	13,440	840	332.182	44.800	24	8.40
17	14,280	892 $\frac{1}{2}$	312.642	47.600	25 $\frac{1}{2}$	8.93
18	15,120	945	295.273	50.400	27	9.45
19	15,960	997 $\frac{1}{2}$	279.732	53.200	28 $\frac{1}{2}$	9.98
20	16,800	1,050	265.746	56.000	30	10.50
21	17,640	1,102 $\frac{1}{2}$	253.091	58.800	31 $\frac{1}{2}$	11.03
22	18,480	1,155	241.586	61.600	33	11.55
23	19,320	1,207 $\frac{1}{2}$	231.083	64.400	34 $\frac{1}{2}$	12.08
24	20,160	1,260	221.455	67.200	36	12.60
25	21,000	1,312 $\frac{1}{2}$	212.597	70.000	37 $\frac{1}{2}$	13.13
26	21,840	1,365	204.420	72.800	39	13.65
27	22,680	1,417 $\frac{1}{2}$	196.849	75.600	40 $\frac{1}{2}$	14.18
28	23,520	1,470	189.818	78.400	42	14.70
29	24,360	1,522 $\frac{1}{2}$	183.273	81.200	43 $\frac{1}{2}$	15.23
30	25,200	1,575	177.164	84.000	45	15.75
31	26,040	1,627 $\frac{1}{2}$	171.449	86.800	46 $\frac{1}{2}$	16.28
32	26,880	1,680	166.091	89.600	48	16.80
33	27,720	1,732 $\frac{1}{2}$	161.057	92.400	49 $\frac{1}{2}$	17.33
34	28,560	1,785	156.321	95.200	51	17.85
35	29,400	1,837 $\frac{1}{2}$	151.855	98.000	52 $\frac{1}{2}$	18.38
36	30,240	1,890	147.637	100.800	54	18.90
37	31,080	1,942 $\frac{1}{2}$	143.646	103.600	55 $\frac{1}{2}$	19.43
38	31,920	1,995	139.866	106.400	57	19.95
39	32,760	2,047 $\frac{1}{2}$	136.280	109.200	58 $\frac{1}{2}$	20.48
40	33,600	2,100	132.873	112.000	60	21.00
41	34,440	2,152 $\frac{1}{2}$	129.632	114.800	61 $\frac{1}{2}$	21.53
42	35,280	2,205	126.546	117.600	63	22.05
43	36,120	2,257 $\frac{1}{2}$	123.603	120.400	64 $\frac{1}{2}$	22.58
44	36,960	2,310	120.793	123.200	66	23.10
45	37,800	2,362 $\frac{1}{2}$	118.109	126.000	67 $\frac{1}{2}$	23.62
46	38,640	2,415	115.542	128.800	69	24.15
47	39,480	2,467 $\frac{1}{2}$	113.083	131.600	70 $\frac{1}{2}$	24.68
48	40,320	2,520	110.727	134.400	72	25.20
49	41,160	2,572 $\frac{1}{2}$	108.468	137.200	73 $\frac{1}{2}$	—
50	42,000	2,625	106.298	140.000	75	—

Comparative Yarn Tables — (Concluded)

Spun Silk and Cotton Scale	Yards per Pound	Yards per Ounce	Scale in Legal Deniers	Linen or Wool (Cut System)	Worsted Scale
52	43,680	2,730	102.210	145.600	78
54	45,360	2,835	98.425	151.200	81
56	47,040	2,940	94.909	156.800	84
58	48,720	3,045	91.637	162.400	87
60	50,400	3,150	88.582	168.000	90
62	52,080	3,255	85.725	173.600	93
64	53,760	3,360	83.045	179.200	96
66	55,440	3,465	80.529	184.800	99
68	57,120	3,570	78.161	190.400	102
70	58,800	3,675	75.927	196.000	105
72	60,480	3,780	73.818	201.600	108
74	62,160	3,885	71.823	207.200	111
76	63,840	3,990	69.933	212.800	114
78	65,520	4,095	68.140	218.400	117
80	67,200	4,200	66.436	224.000	120
90	75,600	4,725	59.055	252.000	135
100	84,000	5,250	53.149	280.000	150
110	92,400	5,775	48.317	308.000	—
120	100,800	6,300	44.291	336.000	—
130	109,200	6,825	40.884	364.000	—
140	117,600	7,350	37.964	392.000	—
150	126,000	7,875	35.433	420.000	—
160	134,400	8,400	33.218	448.000	—
170	142,800	8,925	31.264	476.000	—
180	151,200	9,450	29.527	504.000	—
190	159,600	9,975	27.973	532.000	—
200	168,000	10,500	26.575	560.000	—
225	189,000	11,812½	23.622	630.000	—
250	210,000	13,125	21.260	700.000	—
275	231,000	14,437½	19.327	770.000	—
300	252,000	15,750	17.716	840.000	—
325	273,000	17,062½	16.354	910.000	—
350	294,000	18,375	15.186	980.000	—
375	315,000	19,687½	14.173	1,050.000	—
400	336,000	21,000	13.287	1,120.000	—
425	357,000	22,312½	12.506	1,190.000	—
450	378,000	23,625	11.811	1,260.000	—
475	399,000	24,937½	11.189	1,330.000	—
500	420,000	26,250	10.630	1,400.000	—
525	441,000	27,562½	10.124	1,470.000	—
550	462,000	28,875	9.664	1,540.000	—
575	483,000	30,187½	9.244	1,610.000	—
600	504,000	31,500	8.858	1,680.000	—

Warper Production Calculation

To find pounds of production multiply the yards warped per minute by the multiplier opposite the number of yarn warped, and the product by the hours of operation times the number of ends. Example: To find the product of a warper running 52 yards per minute, on No. 18 yarn, with 410 ends on beam, for 40 hours (actual running time), $52 \times .00397 \times 410 \times 40 = 3385.6$.

Number of Yarn	Multipliers	Number of Yarn	Multipliers	Number of Yarn	Multipliers
6	.01190	27	.00265	48	.00149
7	.01020	28	.00255	49	.00146
8	.00893	29	.00246	50	.00143
9	.00794	30	.00238	52	.00137
10	.00714	31	.00230	54	.00132
11	.00649	32	.00223	56	.00127
12	.00595	33	.00213	58	.00123
13	.00549	34	.00210	60	.00119
14	.00510	35	.00204	62	.00115
15	.00476	36	.00198	64	.00112
16	.00446	37	.00193	66	.00108
17	.00420	38	.00188	68	.00105
18	.00397	39	.00183	70	.00102
19	.00376	40	.00179	75	.00095
20	.00357	41	.00174	80	.00089
21	.00340	42	.00170	85	.00084
22	.00325	43	.00166	90	.00079
23	.00311	44	.00162	95	.00075
24	.00298	45	.00159	100	.00071
25	.00286	46	.00155		
26	.00275	47	.00152		

Table for Use in Converting Linear Yards into Square Yards

Bureau of Census

The following table is made out in parallel columns. The first column refers to the width, in inches, of the woven products while the opposite figure represents the "equivalent" in square yards.

To convert linear yards to square yards, take the "equivalent" opposite the number representing the width in inches and multiply by the number of linear yards. Example: To convert 1,386,520 linear yards of cloth 38½ inches wide into square yards — the "equivalent" of 38½ inches is 1.069, which multiplied by 1,386,520 gives 1,482,190 square yards.

Width in Inches	Equi- valent Square Yards	Width in Inches	Equi- valent Square Yards	Width in Inches	Equi- valent Square Yards	Width in Inches	Equi- valent Square Yards	Width in Inches	Equi- valent Square Yards	Width in Inches	Equi- valent Square Yards
12½	.347	28½	.792	44½	1.236	60½	1.681	76½	2.125	92½	2.569
13	.361	29	.806	45	1.250	61	1.694	77	2.139	93	2.583
13½	.375	29½	.819	45½	1.264	61½	1.708	77½	2.163	93½	2.597
14	.389	30	.833	46	1.278	62	1.722	78	2.167	94	2.611
14½	.403	30½	.847	46½	1.292	62½	1.736	78½	2.181	94½	2.625
15	.417	31	.861	47	1.306	63	1.750	79	2.194	95	2.639
15½	.431	31½	.875	47½	1.319	63½	1.764	79½	2.208	95½	2.653
16	.444	32	.889	48	1.333	64	1.778	80	2.222	96	2.667
16½	.458	32½	.903	48½	1.347	64½	1.792	80½	2.236	96½	2.681
17	.472	33	.917	49	1.361	65	1.806	81	2.250	97	2.694
17½	.486	33½	.931	49½	1.375	65½	1.819	81½	2.264	97½	2.708
18	.500	34	.944	50	1.389	66	1.833	82	2.278	98	2.722
18½	.514	34½	.958	50½	1.403	66½	1.847	82½	2.292	98½	2.736
19	.528	35	.972	51	1.417	67	1.861	83	2.306	99	2.750
19½	.542	35½	.986	51½	1.431	67½	1.875	83½	2.319	99½	2.764
20	.556	36	1.000	52	1.444	68	1.889	84	2.333	100	2.778
20½	.569	36½	1.014	52½	1.458	68½	1.903	84½	2.347	100½	2.792
21	.583	37	1.028	53	1.472	69	1.917	85	2.361	101	2.806
21½	.597	37½	1.042	53½	1.486	69½	1.931	85½	2.375	101½	2.819
22	.611	38	1.056	54	1.500	70	1.944	86	2.389	102	2.833
22½	.625	38½	1.069	54½	1.514	70½	1.958	86½	2.403	102½	2.847
23	.639	39	1.083	55	1.528	71	1.972	87	2.417	103	2.861
23½	.653	39½	1.097	55½	1.542	71½	1.986	87½	2.431	103½	2.875
24	.667	40	1.111	56	1.556	72	2.000	88	2.444	104	2.889
24½	.681	40½	1.125	56½	1.569	72½	2.014	88½	2.458	104½	2.903
25	.694	41	1.139	57	1.583	73	2.028	89	2.472	105	2.917
25½	.708	41½	1.153	57½	1.597	73½	2.042	89½	2.486	105½	2.931
26	.722	42	1.167	58	1.611	74	2.056	90	2.500	106	2.944
26½	.736	42½	1.181	58½	1.625	74½	2.069	90½	2.514	106½	2.958
27	.750	43	1.194	59	1.639	75	2.083	91	2.528	107	2.972
27½	.764	43½	1.208	59½	1.653	75½	2.097	91½	2.542	107½	2.986
28	.778	44	1.222	60	1.667	76	2.111	92	2.556	108	3.000

Yards of Cloth per Loom per Hour

No allowance for stops

PICKS PER INCH	PICKS PER MINUTE										
	100	105	110	115	120	125	130	135	140	145	150
20	8.33	8.75	9.17	9.58	10.00	10.42	10.83	11.25	11.67	12.08	12.50
22	7.58	7.95	8.33	8.71	9.09	9.47	9.85	10.23	10.61	10.98	11.36
24	6.94	7.29	7.64	7.99	8.33	8.68	9.03	9.37	9.72	10.07	10.42
26	6.41	6.73	7.05	7.37	7.69	8.01	8.33	8.65	8.97	9.29	9.62
28	5.95	6.25	6.55	6.85	7.14	7.44	7.74	8.04	8.33	8.63	8.93
30	5.56	5.83	6.11	6.39	6.67	6.94	7.22	7.50	7.78	8.06	8.33
32	5.21	5.47	5.73	5.99	6.25	6.51	6.77	7.03	7.29	7.55	7.81
34	4.90	5.15	5.39	5.64	5.88	6.13	6.37	6.62	6.86	7.11	7.35
36	4.63	4.86	5.09	5.32	5.56	5.79	6.02	6.25	6.48	6.71	6.94
38	4.39	4.61	4.82	5.04	5.26	5.48	5.70	5.92	6.14	6.36	6.58
40	4.17	4.37	4.58	4.79	5.00	5.21	5.42	5.63	5.83	6.04	6.25
42	3.97	4.17	4.37	4.56	4.76	4.96	5.16	5.36	5.56	5.75	5.95
44	3.79	3.98	4.17	4.36	4.55	4.73	4.92	5.11	5.30	5.49	5.68
46	3.62	3.80	3.99	4.17	4.35	4.53	4.71	4.89	5.07	5.25	5.43
48	3.47	3.65	3.82	3.99	4.17	4.34	4.51	4.69	4.86	5.03	5.21
50	3.33	3.50	3.67	3.83	4.00	4.17	4.33	4.50	4.67	4.83	5.00
52	3.21	3.37	3.53	3.69	3.85	4.01	4.17	4.33	4.49	4.65	4.81
54	3.09	3.24	3.40	3.55	3.70	3.86	4.01	4.17	4.32	4.48	4.63
56	2.98	3.13	3.27	3.42	3.57	3.72	3.87	4.02	4.17	4.32	4.46
58	2.87	3.02	3.16	3.30	3.45	3.59	3.74	3.88	4.02	4.17	4.31
60	2.78	2.92	3.06	3.19	3.33	3.47	3.61	3.75	3.89	4.03	4.17
62	2.69	2.82	2.96	3.09	3.23	3.36	3.49	3.63	3.76	3.90	4.03
64	2.60	2.73	2.86	2.99	3.13	3.26	3.39	3.52	3.65	3.78	3.91
66	2.53	2.65	2.78	2.90	3.03	3.16	3.28	3.41	3.54	3.66	3.79
68	2.45	2.57	2.70	2.82	2.94	3.06	3.19	3.31	3.43	3.55	3.68
70	2.38	2.50	2.62	2.74	2.86	2.98	3.10	3.21	3.33	3.45	3.57
72	2.31	2.43	2.55	2.66	2.78	2.89	3.01	3.13	3.24	3.36	3.47
74	2.25	2.36	2.48	2.59	2.70	2.82	2.93	3.04	3.15	3.27	3.38
76	2.19	2.30	2.41	2.52	2.63	2.74	2.85	2.96	3.07	3.18	3.29
78	2.14	2.24	2.35	2.46	2.56	2.67	2.78	2.88	2.99	3.10	3.21
80	2.08	2.19	2.29	2.40	2.50	2.60	2.71	2.81	2.92	3.02	3.13
82	2.03	2.13	2.24	2.34	2.44	2.54	2.64	2.74	2.85	2.95	3.05
84	1.98	2.08	2.18	2.28	2.38	2.48	2.58	2.68	2.78	2.88	2.98
86	1.94	2.03	2.13	2.23	2.33	2.42	2.52	2.62	2.71	2.81	2.91
88	1.89	1.99	2.08	2.18	2.27	2.37	2.46	2.56	2.65	2.75	2.84
90	1.85	1.94	2.04	2.13	2.22	2.31	2.41	2.50	2.59	2.69	2.78
92	1.81	1.90	1.99	2.08	2.17	2.26	2.36	2.45	2.54	2.63	2.72
94	1.77	1.86	1.95	2.04	2.13	2.22	2.30	2.39	2.48	2.57	2.66
96	1.74	1.82	1.91	2.00	2.08	2.17	2.26	2.34	2.43	2.52	2.60
98	1.70	1.79	1.87	1.96	2.04	2.13	2.21	2.30	2.38	2.47	2.55
100	1.67	1.75	1.83	1.92	2.00	2.08	2.17	2.25	2.33	2.42	2.50

Yards of Cloth per Loom per Hour — (Continued)

No allowance for stops

PICKS PER INCH	PICKS PER MINUTE										
	155	160	165	170	175	180	185	190	195	200	205
20	12.92	13.33	13.75	14.17	14.58	15.00	15.42	15.83	16.25	16.67	17.08
22	11.74	12.12	12.50	12.88	13.26	13.64	14.02	14.39	14.77	15.15	15.53
24	10.76	11.11	11.46	11.81	12.15	12.50	12.85	13.19	13.54	13.89	14.24
26	9.94	10.26	10.58	10.90	11.22	11.54	11.86	12.18	12.50	12.82	13.14
28	9.23	9.52	9.82	10.12	10.42	10.71	11.01	11.31	11.61	11.90	12.20
30	8.61	8.89	9.17	9.44	9.72	10.00	10.28	10.55	10.83	11.11	11.39
32	8.07	8.33	8.59	8.85	9.11	9.37	9.64	9.90	10.16	10.42	10.68
34	7.60	7.84	8.09	8.33	8.58	8.82	9.07	9.31	9.56	9.80	10.05
36	7.18	7.41	7.64	7.87	8.10	8.33	8.56	8.80	9.03	9.26	9.49
38	6.80	7.02	7.24	7.46	7.68	7.89	8.11	8.33	8.55	8.77	8.99
40	6.46	6.67	6.87	7.08	7.29	7.50	7.71	7.92	8.13	8.33	8.54
42	6.15	6.35	6.55	6.75	6.94	7.14	7.34	7.54	7.74	7.94	8.13
44	5.87	6.06	6.25	6.44	6.63	6.82	7.01	7.20	7.39	7.58	7.77
46	5.62	5.80	5.98	6.16	6.34	6.52	6.70	6.88	7.07	7.25	7.43
48	5.38	5.56	5.73	5.90	6.08	6.25	6.42	6.60	6.77	6.94	7.12
50	5.17	5.33	5.50	5.67	5.83	6.00	6.17	6.33	6.50	6.67	6.83
52	4.97	5.13	5.29	5.45	5.61	5.77	5.93	6.09	6.25	6.41	6.57
54	4.78	4.94	5.09	5.25	5.40	5.56	5.71	5.86	6.02	6.17	6.33
56	4.61	4.76	4.91	5.06	5.21	5.36	5.51	5.65	5.80	5.95	6.10
58	4.45	4.60	4.74	4.88	5.03	5.17	5.32	5.46	5.60	5.75	5.89
60	4.31	4.44	4.58	4.72	4.86	5.00	5.14	5.28	5.42	5.56	5.69
62	4.17	4.30	4.44	4.57	4.70	4.84	4.97	5.11	5.24	5.38	5.51
64	4.04	4.17	4.30	4.43	4.56	4.69	4.82	4.95	5.08	5.21	5.34
66	3.91	4.04	4.17	4.29	4.42	4.55	4.67	4.80	4.92	5.05	5.18
68	3.80	3.92	4.04	4.17	4.29	4.41	4.53	4.66	4.78	4.90	5.02
70	3.69	3.81	3.93	4.05	4.17	4.29	4.40	4.52	4.64	4.76	4.88
72	3.59	3.70	3.82	3.94	4.05	4.17	4.28	4.40	4.51	4.63	4.75
74	3.49	3.60	3.72	3.83	3.94	4.05	4.17	4.28	4.39	4.50	4.62
76	3.40	3.51	3.62	3.73	3.84	3.95	4.06	4.17	4.28	4.39	4.50
78	3.31	3.42	3.53	3.63	3.74	3.85	3.95	4.06	4.17	4.27	4.38
80	3.23	3.33	3.44	3.54	3.65	3.75	3.85	3.96	4.06	4.17	4.27
82	3.15	3.25	3.35	3.46	3.56	3.66	3.76	3.86	3.96	4.07	4.17
84	3.08	3.17	3.27	3.37	3.47	3.57	3.66	3.77	3.87	3.97	4.07
86	3.00	3.10	3.20	3.29	3.39	3.49	3.58	3.68	3.78	3.88	3.97
88	2.94	3.03	3.13	3.22	3.31	3.41	3.50	3.60	3.69	3.79	3.88
90	2.87	2.96	3.06	3.15	3.24	3.33	3.43	3.52	3.61	3.70	3.80
92	2.81	2.90	2.99	3.08	3.17	3.26	3.35	3.44	3.53	3.62	3.71
94	2.75	2.84	2.93	3.01	3.10	3.19	3.28	3.37	3.46	3.55	3.63
96	2.69	2.78	2.86	2.95	3.04	3.13	3.21	3.30	3.39	3.47	3.56
98	2.64	2.72	2.81	2.89	2.98	3.06	3.15	3.23	3.32	3.40	3.49
100	2.58	2.67	2.75	2.83	2.92	3.00	3.08	3.17	3.25	3.33	3.44

Yards of Cloth per Loom per Hour — (Continued)

No allowance for stops

PICKS PER INCH	PICKS PER MINUTE										
	100	105	110	115	120	125	130	135	140	145	150
102	1.63	1.72	1.80	1.88	1.96	2.04	2.12	2.21	2.29	2.37	2.45
104	1.60	1.68	1.76	1.84	1.92	2.00	2.08	2.16	2.24	2.32	2.40
106	1.57	1.65	1.73	1.81	1.89	1.97	2.04	2.12	2.20	2.28	2.36
108	1.54	1.62	1.70	1.77	1.85	1.93	2.01	2.08	2.16	2.24	2.31
110	1.52	1.59	1.67	1.74	1.82	1.89	1.97	2.05	2.12	2.20	2.27
112	1.49	1.56	1.64	1.71	1.79	1.86	1.93	2.01	2.08	2.16	2.23
114	1.46	1.54	1.61	1.68	1.75	1.83	1.90	1.97	2.05	2.12	2.19
116	1.44	1.51	1.58	1.65	1.72	1.80	1.87	1.94	2.01	2.08	2.16
118	1.41	1.48	1.55	1.62	1.69	1.77	1.84	1.91	1.98	2.05	2.12
120	1.39	1.46	1.53	1.60	1.67	1.74	1.81	1.87	1.94	2.01	2.08
122	1.37	1.43	1.50	1.57	1.64	1.71	1.78	1.84	1.91	1.98	2.04
124	1.34	1.41	1.48	1.55	1.61	1.68	1.75	1.81	1.88	1.95	2.01
126	1.32	1.39	1.46	1.52	1.59	1.65	1.72	1.79	1.85	1.92	1.98
128	1.30	1.37	1.43	1.50	1.56	1.63	1.69	1.76	1.82	1.89	1.95
130	1.28	1.35	1.41	1.47	1.54	1.60	1.67	1.73	1.79	1.86	1.92
134	1.24	1.31	1.37	1.43	1.49	1.55	1.62	1.68	1.74	1.80	1.87
136	1.23	1.29	1.35	1.41	1.47	1.53	1.59	1.65	1.72	1.78	1.84
140	1.19	1.25	1.31	1.37	1.43	1.49	1.55	1.61	1.67	1.73	1.79
144	1.16	1.22	1.27	1.33	1.39	1.45	1.50	1.56	1.62	1.68	1.74
146	1.14	1.20	1.26	1.31	1.37	1.43	1.48	1.54	1.60	1.66	1.71
150	1.11	1.17	1.22	1.28	1.33	1.39	1.44	1.50	1.56	1.61	1.67
154	1.08	1.14	1.19	1.24	1.30	1.35	1.41	1.46	1.52	1.57	1.62
156	1.07	1.12	1.18	1.23	1.28	1.34	1.39	1.44	1.50	1.55	1.60
160	1.04	1.09	1.15	1.20	1.25	1.30	1.35	1.41	1.46	1.51	1.56
164	1.02	1.07	1.12	1.17	1.22	1.27	1.32	1.37	1.42	1.47	1.52
166	1.00	1.05	1.10	1.15	1.20	1.26	1.31	1.35	1.41	1.46	1.51
170	.98	1.03	1.08	1.13	1.18	1.23	1.27	1.32	1.37	1.42	1.47
174	.96	1.01	1.05	1.10	1.15	1.20	1.25	1.29	1.34	1.39	1.44
176	.95	.99	1.04	1.09	1.14	1.18	1.23	1.28	1.33	1.37	1.42
180	.93	.97	1.02	1.06	1.11	1.16	1.20	1.25	1.30	1.34	1.39

Yards of Cloth per Loom per Hour — (Concluded)

No allowance for stops

PICKS PER INCH	PICKS PER MINUTE										
	155	160	165	170	175	180	185	190	195	200	205
102	2.53	2.61	2.70	2.78	2.86	2.94	3.02	3.10	3.19	3.27	3.35
104	2.48	2.56	2.64	2.72	2.80	2.88	2.96	3.04	3.13	3.21	3.29
106	2.44	2.52	2.59	2.67	2.75	2.83	2.91	2.99	3.07	3.14	3.22
108	2.39	2.47	2.55	2.62	2.70	2.78	2.85	2.93	3.01	3.09	3.16
110	2.35	2.42	2.50	2.58	2.65	2.73	2.80	2.88	2.95	3.03	3.11
112	2.31	2.38	2.46	2.53	2.60	2.68	2.75	2.83	2.90	2.98	3.05
114	2.27	2.34	2.41	2.49	2.56	2.63	2.70	2.78	2.85	2.92	3.00
116	2.23	2.30	2.37	2.44	2.51	2.59	2.66	2.73	2.80	2.87	2.95
118	2.19	2.26	2.33	2.40	2.47	2.54	2.61	2.68	2.75	2.82	2.90
120	2.15	2.22	2.29	2.36	2.43	2.50	2.57	2.64	2.71	2.78	2.85
122	2.12	2.19	2.25	2.32	2.39	2.46	2.53	2.60	2.66	2.73	2.80
124	2.08	2.15	2.22	2.28	2.35	2.42	2.49	2.55	2.62	2.69	2.76
126	2.05	2.12	2.18	2.25	2.31	2.38	2.45	2.51	2.58	2.65	2.71
128	2.02	2.08	2.15	2.21	2.28	2.34	2.41	2.47	2.54	2.60	2.67
130	1.99	2.05	2.12	2.18	2.24	2.31	2.37	2.44	2.50	2.56	2.63
134	1.93	1.99	2.05	2.11	2.18	2.24	2.30	2.36	2.43	2.49	2.55
136	1.90	1.96	2.02	2.08	2.14	2.21	2.27	2.33	2.39	2.45	2.51
140	1.85	1.90	1.96	2.02	2.08	2.14	2.20	2.26	2.32	2.38	2.44
144	1.79	1.85	1.91	1.97	2.03	2.08	2.14	2.20	2.26	2.31	2.37
146	1.77	1.83	1.88	1.94	2.00	2.05	2.11	2.17	2.23	2.28	2.34
150	1.72	1.78	1.83	1.89	1.94	2.00	2.06	2.11	2.17	2.22	2.28
154	1.68	1.73	1.79	1.84	1.89	1.95	2.00	2.06	2.11	2.16	2.22
156	1.66	1.71	1.76	1.82	1.87	1.92	1.98	2.03	2.08	2.14	2.19
160	1.61	1.67	1.72	1.77	1.82	1.87	1.93	1.98	2.03	2.08	2.14
164	1.58	1.63	1.68	1.73	1.78	1.83	1.88	1.93	1.98	2.03	2.08
166	1.56	1.61	1.66	1.71	1.76	1.81	1.86	1.91	1.96	2.01	2.06
170	1.52	1.57	1.62	1.67	1.72	1.76	1.81	1.86	1.91	1.96	2.01
174	1.48	1.54	1.58	1.63	1.68	1.72	1.77	1.82	1.87	1.92	1.96
176	1.47	1.52	1.56	1.61	1.66	1.70	1.75	1.80	1.85	1.89	1.94
180	1.44	1.48	1.53	1.57	1.62	1.67	1.71	1.76	1.81	1.85	1.90

Average Yarn Sizes for Knitting Machines

Courtesy of the Textile World

The accompanying table gives the averages of yarn sizes used on machines with different needles per inch. Yarns coarser or finer can be used, of course, but this table will serve as a guide.

RIB MACHINES			Cylinder Needles per Inch	PLAIN MACHINES		
Woolen	Worsted	Cotton		Cotton	Worsted	Woolen
.75	2.25	1.5	3	.75	1.1	.40
1.25	3.75	2.5	4	1.5	2.25	.75
2.00	6.0	4.0	5	2.0	3.0	1.00
3.00	9.0	6.0	6	3.0	4.5	1.50
4.25	12.0	8.0	7	4.0	6.0	2.00
5.25	15.0	10.0	8	5.0	7.5	2.50
6.75	19.5	13.0	9	6.0	9.0	3.00
8.50	24.0	16.0	10	7.0	10.5	3.75
	30.0	20.0	11	8.0	12.0	4.25
	36.0	24.0	12	10.0	15.0	5.25
	42.0	28.0	13	12.0	18.0	6.25
	45.0	30.0	14	14.0	21.0	7.25
	50.0	33.0	15	16.0	24.0	8.50
	54.0	36.0	16	20.0	30.0	
	60.0	40.0	17	22.0	33.0	
			18	25.0	37.0	
			19	27.0	41.0	
			20	30.0	45.0	
			21	32.0	48.0	
			22	35.0	53.0	
			24	40.0	60.0	

Full Fashion { 39 gauge, 10 to 12 thread silk
42 gauge, 8 to 10 thread silk

Reasonable Allowance for Stops

Courtesy of the Textile World

The following figures show a reasonable allowance for stoppage of different classes of knitting mill machinery. They indicate the average percentage of the running time lost under normal conditions.

	Per Cent
Winders	5 to 25
Flat machines	5 to 20
Small ribbers	10
Large ribbers	15
Loop wheel machines	10
Automatics	10

Table Showing Number of Slots in Cylinders of Different Cuts

Courtesy of the Textile World

[Needles per inch]

Size of Machine	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	24	26	28
2	20	24	32	38	44	50	58	64	70	76	80	88	94	100	108	116	122	128	132	140	152	160	176
2 1/2	21	25	33	40	47	54	62	69	76	83	91	100	108	116	124	132	140	148	156	164	172	184	200
3	22	28	36	42	48	56	64	70	78	84	92	100	108	116	124	132	140	148	156	164	172	184	200
3 1/2	23	30	38	46	54	62	70	78	86	94	102	110	120	130	140	150	160	170	180	190	200	224	240
4	24	32	40	48	56	64	72	80	88	96	104	112	120	132	144	156	168	180	192	204	216	240	264
4 1/2	25	34	42	50	58	66	74	82	90	98	106	114	124	134	144	154	164	174	184	194	204	228	252
5	26	36	44	52	60	68	76	84	92	100	108	116	124	132	140	148	156	164	172	180	192	216	240
5 1/2	27	38	46	54	62	70	78	86	94	102	110	118	126	134	142	150	158	166	174	182	190	216	240
6	28	38	48	58	68	78	88	98	108	118	128	138	148	158	168	178	188	198	208	218	228	252	288
6 1/2	29	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	252	288
7	30	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	252	288
7 1/2	31	44	54	64	74	84	94	104	114	124	134	144	154	164	174	184	194	204	214	224	234	252	288
8	32	46	56	66	76	86	96	106	116	126	136	146	156	166	176	186	196	206	216	226	236	252	288
8 1/2	33	48	58	68	78	88	98	108	118	128	138	148	158	168	178	188	198	208	218	228	238	252	288
9	34	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	252	288
9 1/2	35	52	62	72	82	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	288
10	36	54	64	74	84	94	104	114	124	134	144	154	164	174	184	194	204	214	224	234	244	252	288
10 1/2	37	56	66	76	86	96	106	116	126	136	146	156	166	176	186	196	206	216	226	236	246	252	288
11	38	58	68	78	88	98	108	118	128	138	148	158	168	178	188	198	208	218	228	238	248	252	288
11 1/2	39	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	252	288
12	40	62	72	82	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	252	288
12 1/2	41	64	74	84	94	104	114	124	134	144	154	164	174	184	194	204	214	224	234	244	252	252	288
13	42	66	76	86	96	106	116	126	136	146	156	166	176	186	196	206	216	226	236	246	252	252	288
13 1/2	43	68	78	88	98	108	118	128	138	148	158	168	178	188	198	208	218	228	238	248	252	252	288
14	44	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	252	252	288
14 1/2	45	72	82	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	252	252	288
15	46	74	84	94	104	114	124	134	144	154	164	174	184	194	204	214	224	234	244	252	252	252	288
15 1/2	47	76	86	96	106	116	126	136	146	156	166	176	186	196	206	216	226	236	246	252	252	252	288
16	48	78	88	98	108	118	128	138	148	158	168	178	188	198	208	218	228	238	248	252	252	252	288
16 1/2	49	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	252	252	252	288
17	50	82	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	252	252	252	288
17 1/2	51	84	94	104	114	124	134	144	154	164	174	184	194	204	214	224	234	244	252	252	252	252	288
18	52	86	96	106	116	126	136	146	156	166	176	186	196	206	216	226	236	246	252	252	252	252	288
18 1/2	53	88	98	108	118	128	138	148	158	168	178	188	198	208	218	228	238	248	252	252	252	252	288
19	54	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	252	252	252	252	288
19 1/2	55	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	252	252	252	252	288
20	56	94	104	114	124	134	144	154	164	174	184	194	204	214	224	234	244	252	252	252	252	252	288
20 1/2	57	96	106	116	126	136	146	156	166	176	186	196	206	216	226	236	246	252	252	252	252	252	288
21	58	98	108	118	128	138	148	158	168	178	188	198	208	218	228	238	248	252	252	252	252	252	288
21 1/2	59	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	252	252	252	252	252	288
22	60	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	252	252	252	252	252	288
22 1/2	61	104	114	124	134	144	154	164	174	184	194	204	214	224	234	244	252	252	252	252	252	252	288
23	62	106	116	126	136	146	156	166	176	186	196	206	216	226	236	246	252	252	252	252	252	252	288
23 1/2	63	108	118	128	138	148	158	168	178	188	198	208	218	228	238	248	252	252	252	252	252	252	288
24	64	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	252	252	252	252	252	252	288
24 1/2	65	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	252	252	252	252	252	252	288
25	66	114	124	134	144	154	164	174	184	194	204	214	224	234	244	252	252	252	252	252	252	252	288
25 1/2	67	116	126	136	146	156	166	176	186	196	206	216	226	236	246	252	252	252	252	252	252	252	288
26	68	118	128	138	148	158	168	178	188	198	208	218	228	238	248	252	252	252	252	252	252	252	288
26 1/2	69	120	130	140	150	160	170	180	190	200	210	220	230	240	250	252	252	252	252	252	252	252	288
27	70	122	132	142	152	162	172	182	192	202	212	222	232	242	252	252	252	252	252	252	252	252	288
27 1/2	71	124	134	144	154	164	174	184	194	204	214	224	234	244	252	252	252	252	252	252	252	252	288
28	72	126	136	146	156	166	176	186	196	206	216	226	236	246	252	252	252	252	252	252	252	252	288
28 1/2	73	128	138	148	158	168	178	188	198	208	218	228	238	248	252	252	252	252	252	252	252	252	288
29	74	130	140	150	160	170	180	190	200	210	220	230	240	250	252	252	252	252	252	252	252	252	288
29 1/2	75	132	142	152	162	172	182	192	202	212	222	232	242	252	252	252	252	252	252	252	252	252	288
30	76	134	144	154	164	174	184	194	204	214	224	234	244	252	252	252	252	252	252	252	252	252	288
30 1/2	77	136	146	156	166	176	186	196	206	216	226	236	246	252	252	252	252	252	252	252	252	252	288
31	78	138	148	158	168	178	188	198	208	218	228	238	248	252	252	252	252	252	252	252	252	252	288
31 1/2	79	140	150	160	170	180	190	200	210	220	230	240	250	252	252	252	252	252	252	252	252	252	288
32	80	142	152	162	172	182	192	202	212	222	232	242	252	252	252	252	252	252	252	252	252	252	288
32 1/2	81	144	154	164	174	184	194	204	214	224	234	244	252	252	252	2							

Latch Needle Gauge and Needles Per Inch

Courtesy of the Textile World

The common gauges of latch needles are listed here with the number of needles per inch in the cylinder of the machines to correspond with them.

NEEDLE GAUGE	NEEDLES PER INCH	
	Ribbers	Automatics
2	1-2	—
4	2-3	—
8	3-4	—
12	3-5	5 — 8.4
18	4-7	8.4-10.1
24	6-9	10.3-11.6
36	8-13	11.6-14.9
48	10-15	15.0-18.6
54	—	18.3-20.3
60	16 and up	—

Production of Cotton Rib Underwear

Compiled by Gilbert R. Merrill

[Per 9 hours, no stops, 1 foot yarn for 4 inches of needles]

CUT	Yarn Size	Production per Feed [In Pounds]
4	2 $\frac{1}{2}$	50.0
5	4	29.0
6	6	20.0
7	8	15.0
8	10	12.0
9	13	9.1
10	16	7.4
11	20	5.9
12	24	4.9
13	28	4.2
14	34	3.5

Average Underwear Production

Compiled by Gilbert R. Merrill

[Dozen garments per 10 hours]

OPERATION	Union Suits	Shirts	Drawers	Usual Operative
Knit (6 to 10 machines):				
Webbing	36-60	60-90	42-90	Man
Cuffs	300-325	300-325	300-325	Man
Collarettes	500-600	500-600	—	Man
Nap (3 machines)	180	420	300	Man
Cut:				
Hand	40	100	100	Man
Machine	200	375	375	Man
Examine and dozen	300	300	300	Woman
Cuff	50	100	100	Woman
Welt	—	75	—	Woman
Seam	11-18	35-45	25-45	Woman
Cover seam	20-25	40-75	40-60	Woman
Layout and mark neck	125-150	150-200	—	Woman
Neck	140-150	175-200	—	Woman
Neck cut	125-160	150-200	—	Woman
Face	50-75	120-160	—	Woman
Button stay	60-75	140-185	—	Woman
Collarette	40-80	40-80	—	Woman
Overedge	60-125	100-200	—	Woman
Tack and bind	50-75	50-100	—	Woman
Trim	—	—	150-175	Woman
Double seat	50	—	65-75	Woman
Finish	—	—	18-22	Woman
Strap	—	—	90-100	Woman
Eyelet:				
Punched	—	—	300-320	Woman
Worked	—	—	550-600	Woman
Buttonholes	50 (8 button)	100 (4 button)	150 (3 button)	Woman
Mark buttons	100 (8 button)	200 (4 button)	250 (3 button)	Woman
Sew buttons	60 (8 button)	125 (4 button)	140 (3 button)	Woman
Examine	25-30	50-85	45-60	Woman
Mend garments	150-200	150-200	150-200	Woman
Label	80	80	80	Woman
Press	45-80	70-140	80-150	Man
Fold	45-60	90	100	Woman
Box	150	300-350	300-400	Woman

Above figures are for plant having a capacity of 800 dozen per day, with 7 to 8 per cent seconds.

Order of inspection: first, for heavy or light ends, dust marks, discolored buttons, crooked or strained seams; second, for seams, buttons and buttonholes, neck, leg, and sleeve finish.

Maximum Limits of Humidity at Given Temperatures when Artificial Humidification is employed

General Laws, chapter 149, section 110, Commonwealth of Massachusetts

I Dry Bulb Thermometer Readings (Degrees Fahr.)	II Wet Bulb Thermometer Readings (Degrees Fahr.)	III Percentage of Humidity	I Dry Bulb Thermometer Readings (Degrees Fahr.)	II Wet Bulb Thermometer Readings (Degrees Fahr.)	III Percentage of Humidity
60	58	88	78	73.5	77
61	59	88	79	74.5	77.5
62	60	88	80	75.5	77.5
63	61	88	81	76	76
64	62	88	82	76.5	74
65	63	88	83	77.5	74
66	64	88	84	78	72
67	65	88	85	79	72
68	66	88	86	80	72
69	67	88	87	80.5	71
70	68	88	88	81.5	71
71	68.5	85.5	89	82.5	71
72	69	84	90	83	69
73	70	84	91	83.5	68
74	70.5	81.5	92	84.5	68
75	71.5	81.5	93	85.5	68
76	72	79	94	86	68
77	73	79	95	87	66

Grades and Colors of the Universal Standards for American Upland Cotton

United States Department of Agriculture Circular 278

Blue- stained	Gray	Standards for Grades of Upland Cotton, White	Spotted	Yellow- tinged	Light- stained	Yellow- stained
		1 or midling fair				
		2 or strict good midling		2 T.		
3 B.	<i>3 G.</i>	3 or good midling	<i>3 Sp.</i>	3 T.	<i>3 L. S.</i>	3 S.
4 B.	<i>4 G.</i>	4 or strict midling	<i>4 Sp.</i>	4 T.	<i>4 L. S.</i>	4 S.
5 B.	<i>5 G.</i>	5 or midling	<i>5 Sp.</i>	5 T.	<i>5 L. S.</i>	5 S.
		6 or strict low midling	<i>6 Sp.</i>	6 T.		
		7 or low midling	<i>7 Sp.</i>	7 T.		
		8 or strict good ordinary				
		9 or good ordinary				

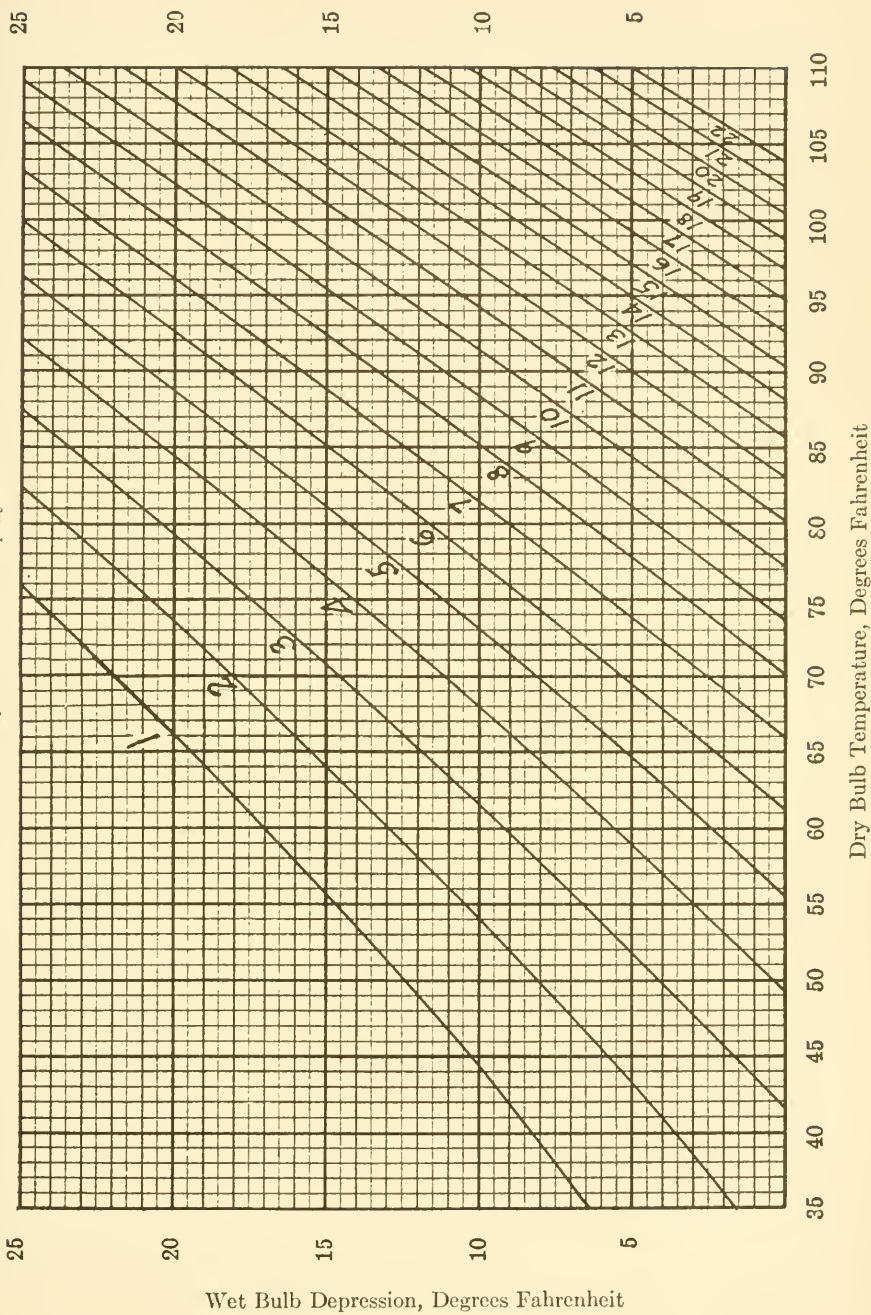
Symbols in heavy type denote grades and colors for which practical forms of the official cotton standards are prepared. Symbols in italics represent the designations of cotton which in color is between practical forms.

The grades shown above the black lines are deliverable on future contracts made in accordance with section 5 of the United States Cotton Futures Act. Those below the line are untenderable on such contracts.

Absolute Humidity

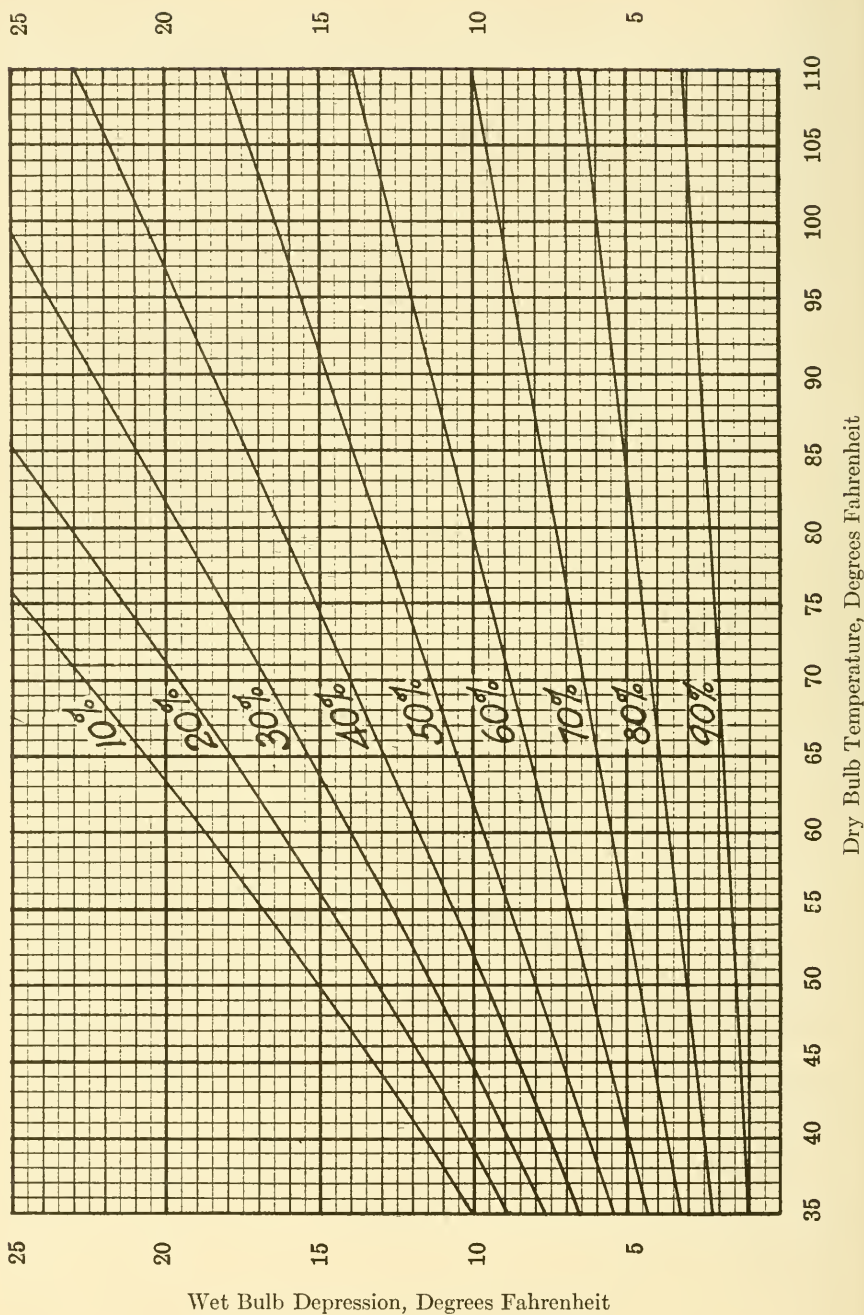
Grains of moisture per cubic foot

Courtesy Parks-Cramer Company

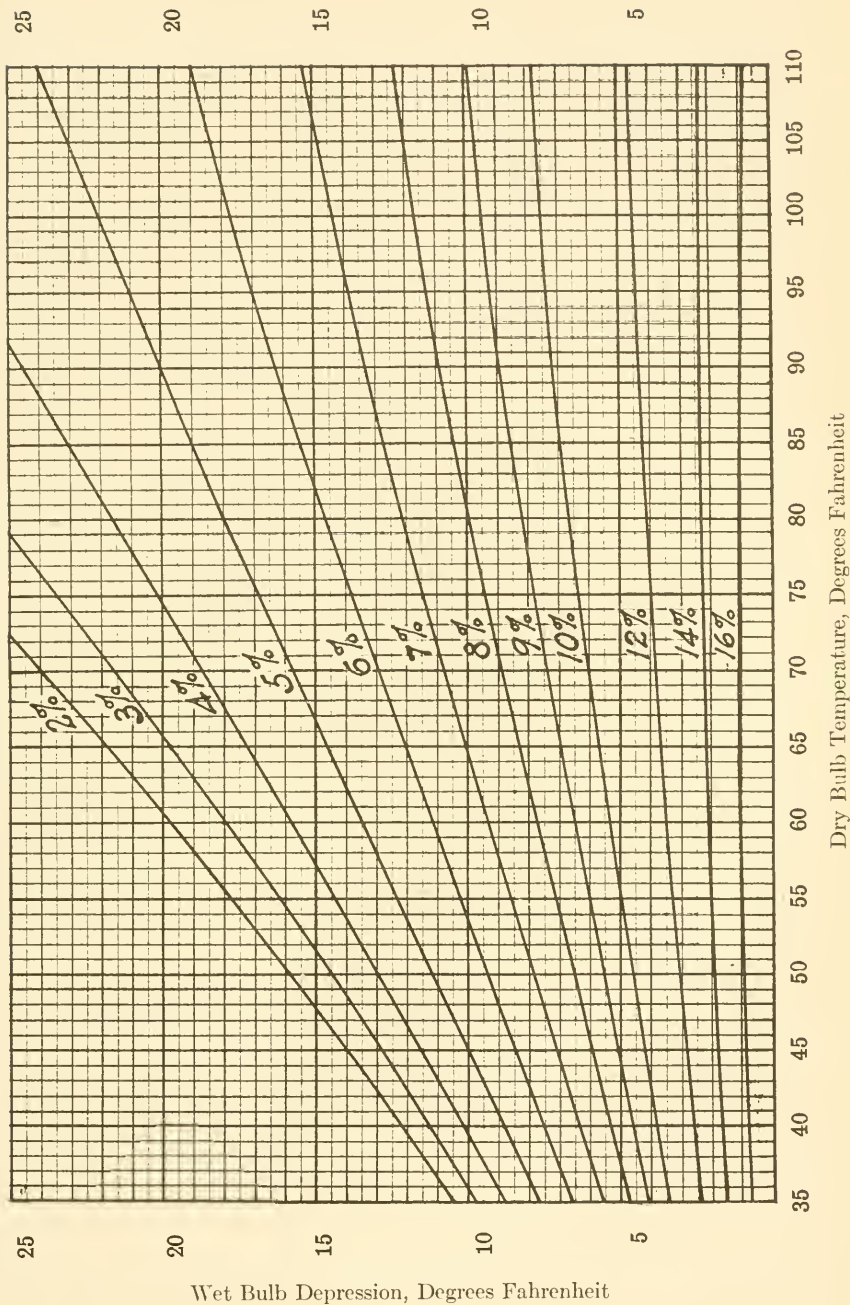


Relative Humidity

Courtesy Parks-Cramer Company



Cotton Regain
Theoretical Regain for Raw Cotton
Courtesy Parks-Cramer Company



Psychrometric Humidity Table for Use with Sling Psychrometer only

Courtesy Parks-Cramer Company

TEMP OF DRY BULB	Relative Humidities—Large Figures												Actual Humidities—Small Figures													
	WET BULB DEPRESSION																									
	F°	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	21°	22°	23°	24°
60	100	94	89	83	78	73	68	63	58	53	48	43	39	34	30	26	21	17	13	9	5	1				
61	100	94	89	84	78	73	68	63	58	54	49	44	40	35	31	27	22	18	14	10	7	3				
62	100	94	89	84	79	74	69	64	59	54	50	45	41	36	32	28	24	20	16	12	8	4	1			
63	100	95	89	84	79	74	69	64	60	55	50	46	42	37	33	29	25	21	17	13	10	6	2			
64	100	95	90	84	79	74	70	65	60	56	51	47	43	38	34	30	26	22	18	15	11	7	4			
65	100	95	90	85	80	75	70	66	61	56	52	48	44	39	35	31	27	24	20	16	12	9	5	2		
66	100	95	90	85	80	75	71	66	61	57	53	48	44	40	36	32	29	25	21	17	14	10	7	3		
67	100	95	90	85	80	75	71	66	62	58	53	49	45	41	37	33	30	26	22	19	15	12	8	5	2	
68	100	95	90	85	80	76	71	67	62	58	54	50	46	42	38	34	31	27	23	20	16	13	10	6	3	
69	100	95	90	85	81	76	72	67	63	59	55	51	47	43	39	35	32	28	24	21	18	14	11	8	5	
70	100	95	90	86	81	77	72	68	64	59	55	51	48	44	40	36	33	29	25	22	19	15	12	9	6	
71	100	95	90	86	81	77	72	68	64	60	56	52	48	45	41	37	33	30	27	23	20	17	13	10	7	
72	100	95	91	86	82	77	73	69	65	61	57	53	49	45	42	38	34	31	28	24	21	18	15	12	9	
73	100	95	91	86	82	78	73	69	65	61	57	53	50	46	42	39	35	32	29	25	22	19	16	13	10	
74	100	95	91	86	82	78	74	69	65	61	58	54	50	47	43	39	36	33	29	26	23	20	17	14	11	
75	100	96	91	86	82	78	74	70	66	62	58	54	51	47	44	40	37	34	30	27	24	21	18	15	12	
76	100	96	91	87	82	78	74	70	66	62	59	55	51	48	44	41	38	34	31	28	25	22	19	16	13	
77	100	96	91	87	83	79	74	71	67	63	59	56	52	48	45	42	39	35	32	29	26	23	20	17	14	
78	100	96	91	87	83	79	75	71	67	63	60	56	53	49	46	43	39	36	33	30	27	24	21	18	16	
79	100	96	91	87	83	79	75	71	68	64	60	57	53	50	46	43	40	37	34	31	28	25	22	19	17	
80	100	96	91	87	83	79	75	72	68	64	61	57	54	50	47	44	41	38	35	32	29	26	23	20	18	
81	100	96	92	88	84	80	76	72	68	65	61	58	55	51	48	45	41	39	36	33	30	27	24	21	19	
82	100	96	92	88	84	80	76	72	68	65	61	58	55	51	48	45	42	39	36	33	30	28	25	22	20	
83	100	96	92	88	84	80	76	73	69	66	62	59	56	52	49	46	42	40	36	34	31	28	25	23	20	
84	100	96	92	88	84	80	76	73	69	66	62	59	56	52	49	46	43	40	37	35	32	29	26	24	21	
85	100	96	92	88	84	80	77	73	69	66	63	60	57	53	50	47	44	41	38	36	33	30	27	25	22	
86	100	96	92	88	84	81	77	73	70	66	63	60	57	53	50	47	44	42	39	36	33	31	28	26	23	
87	100	96	92	88	85	81	77	74	70	67	64	61	57	54	51	48	45	43	40	37	34	32	29	27	24	
88	100	96	92	88	85	81	77	74	70	67	64	61	57	54	51	48	46	43	40	37	35	32	30	27	25	
89	100	96	92	88	85	81	77	74	70	67	64	61	57	54	51	48	46	43	40	37	35	33	30	28	25	
90	100	96	92	89	85	81	78	74	71	68	65	61	58	55	52	49	47	44	41	39	36	34	31	29	26	
91	100	96	92	89	85	82	78	75	72	68	65	62	59	56	53	50	48	45	42	40	37	35	32	30	27	
92	100	96	92	89	85	82	78	75	72	68	65	62	59	56	53	50	48	45	42	40	37	35	32	30	28	
93	100	96	93	89	85	82	79	75	72	69	66	63	60	57	54	51	49	46	43	41	38	36	33	31	29	
94	100	96	93	89	85	82	79	75	72	69	66	63	60	57	54	51	49	46	43	41	38	36	33	31	29	
95	100	96	93	89	85	82	79	75	72	69	66	63	60	57	54	51	49	46	43	41	38	36	34	31	29	
96	100	96	93	89	86	82	79	76	73	70	67	64	61	58	55	52	50	47	44	42	39	37	35	32	30	
97	100	96	93	89	86	82	79	76	73	70	67	64	61	58	55	52	50	47	44	42	39	37	35	33	31	
98	100	96	93	89	86	83	79	76	73	70	67	64	61	58	55	52	50	47	44	42	39	37	35	34	32	
99	100	96	93	89	86	83	79	76	73	70	67	64	61	58	55	52	50	47	44	42	39	37	35	34	32	
RELATIVE HUMIDITIES IN PERCENTAGES (ACTUAL HUMIDITIES IN GRAINS OF MOISTURE PER CUBIC FOOT OF AIR)																										

Percent cotton regain

11 10 9 8 7 6 5

United States Government General Specification for Textile Materials (Methods of Physical and Chemical Tests)

Circular of the Bureau of Standards, No. 293

I. ATMOSPHERIC CONDITIONS

Physical tests may be made under prevailing atmospheric conditions except in the settlement of disputes where moisture is an influencing factor in tests for breaking strength, thread count, weight, width, length, etc. Such tests shall then be made upon material having normal moisture content, obtained by exposure for at least four hours to an atmospheric condition of 65 per cent relative humidity at 70° F.

The effect of humidity is a decided variable in these tests, depending on the construction, finishing, sizing, etc. In general, a high relative humidity will increase all weight results, and in breaking-strength results will show an increase for vegetable fibers and a decrease for animal fibers. The manufacturer should note the humidity on a sling psychrometer at the time tests are made to establish whether his material conforms to these specifications and take into consideration the above facts.

II. FIBER IDENTIFICATION AND QUANTITATIVE DETERMINATIONS

1. COTTON. — In specifications calling for cotton fibers no further test is needed than the visual examination of the fibers as pulled from the specimen.

2. WOOL. — In specifications calling for all-wool fibers chemical tests shall be made to dissolve all of the wool fibers, leaving the impurities and vegetable fibers as indications of any variations from the all-wool requirements. Place the specimen of about 5 grams in a beaker or vessel containing at least 100 times its weight of 5 per cent solution of sodium or potassium hydroxide and boil slowly until the wool fibers become gelatinous and dissolve. If, after 10 minutes of boiling, there appear to be present any loose fibers or yarns when stirring with a glass rod, the contents shall be filtered through a fine-mesh wire cloth and the residue washed with warm water. Allow the residue to dry in air, then examine it for its nature and amount. The presence of fibers and of foreign matter in excess of 1 per cent in weight shall be cause for rejection.

3. WOOL AND COTTON MIXTURES. — In specifications calling for wool and cotton mixtures chemical tests shall be made according to the following classification:

(a) With a cotton warp and with no limit as to the proportion of cotton allowed, based on the weight of the material as a whole, the filling shall be separated from the material until a weight of about 5 grams is obtained. The test shall be given as for wool (II, 2).

(b) With a cotton warp and with a limit as to the proportion of cotton allowed, a specimen of about 5 grams shall be weighed and placed in a beaker or vessel containing at least 100 times its weight of 5 per cent solution of sodium or potassium hydroxide and boiled slowly until the wool fibers become gelatinous and dissolve. After a period of 10 minutes of boiling filter residue through a fine-mesh wire cloth and wash residue with warm water, then dry in air and weigh. The per cent of cotton present shall be calculated by adding 5 per cent of the residue dry weight, as expressed:

$$\frac{\text{Residue weight}}{95} \times 100 = \text{weight of cotton}$$

$$\frac{\text{Weight of cotton}}{\text{Original weight of specimen}} \times 100 = \text{per cent of cotton.}$$

(c) With no mention of where the cotton is to be found and with a limit as to the proportion of cotton allowed, the test shall be carried out as in (b).

4. UMPIRE METHOD FOR WOOL AND FOR WOOL AND COTTON MIXTURES. — In the event of a dispute, the following procedure shall be used: All weighings shall be made after the specimen has been conditioned at 65 per cent relative humidity and 70° F. Weighings shall be made to the nearest milligram or equivalent accuracy. Boil at least a 5 gram specimen in at least 100 times its weight of a 5 per cent solution of sodium or potassium hydroxide contained in an assay flask fitted with a reflux condenser for a period of one hour. Filter the residue on a fine-mesh wire cloth, wash first with warm water, then with a solution of 3 per cent acetic acid, and finally with hot water.

The per cent of cotton present shall be calculated by adding 5 per cent to the residue dry weight, as expressed:

$$\frac{\text{Residue weight}}{95} \times 100 = \text{weight of cotton}$$

$$\frac{\text{Weight of cotton}}{\text{Original weight of specimen}} \times 100 = \text{per cent of cotton.}$$

III. BREAKING STRENGTH, GRAB METHOD (1 x 1 x 3 inches)

Six test specimens 6 inches long by 4 inches wide shall be cut, three in the direction of the warp and three in the direction of the filling, respectively, as shown in Fig. 1. Care shall be taken that no two test specimens include the same threads, except for retest as specified below. No specimen for testing should be taken at less than 8 inches from either selvage.

The machine used shall be of the inclination balance type, as shown in Fig. 1. The maximum capacity of the machine shall be such that no break shall occur beyond the limits as shown in Fig. 1. The lower or pulling jaw shall travel at a uniform rate of 12 inches per minute under no load. The distance between jaws shall be 3 inches at start of test. (See Fig. 1.) The inside or back half of each jaw shall be 2 inches or more in width; the other half shall be 1 inch in width. Jaws shall have a smooth and flat surface with edges slightly rounded to prevent cutting. The results of the test of each direction shall be averaged. If a specimen slips in the jaw, breaks in the jaw, breaks at the edge of the jaw, or for any reason due to faulty operation, the result falls markedly below the general average, the result shall be disregarded, another specimen taken from the same threads, and the result of this break included in the average.

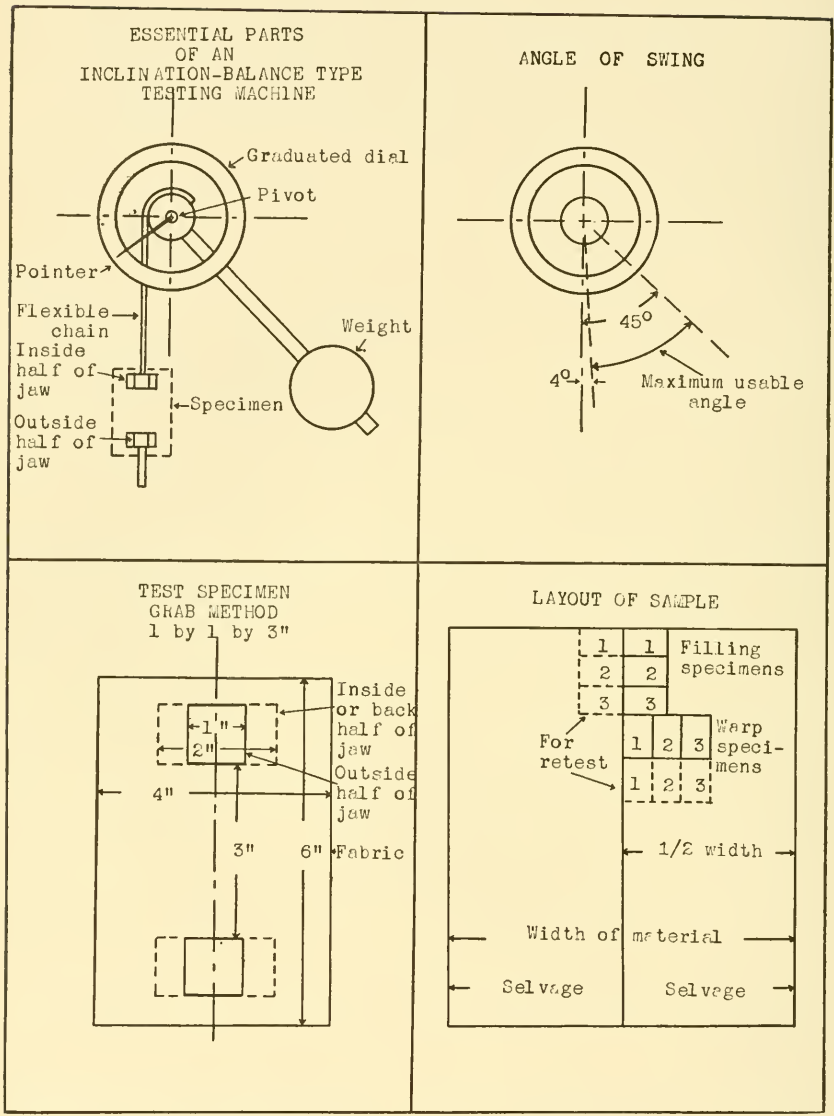


FIG. 1

IV. BREAKING STRENGTH, STRIP METHOD

Six test specimens approximately “*x*” inches (see Table A, Fig. 2) long by “*z*” inches (see Table A, Fig. 2) wide shall be cut, three in the direction of the warp and three in the direction of the filling, respectively, as shown in Fig. 2.

Each specimen shall be raveled to exactly 1 inch by taking from each side approximately the same number of threads. (See Fig. 2.) Care shall be taken that no two test specimens include the same threads, except for retest, as specified below. No specimen for testing should be taken at less than 8 inches from either selvage.

The machine used shall be of the inclination balance type, as shown in Fig. 2. The maximum capacity of the machine shall be such that no break shall occur beyond the limits, as shown in Fig. 2. The lower or pulling jaw shall travel at a uniform rate of 12 inches per minute under no load. The distance between jaws shall be “*y*” inches (see Table A) at the start of test. The width of the jaws shall be $1\frac{1}{2}$ inches or more. Jaws shall have a smooth and flat surface with edges slightly rounded to prevent cutting. The results of the tests in each direction shall be averaged. If a specimen slips in the jaw, breaks in the jaw, breaks at the edge of the jaw, or for any reason due to faulty operation the result falls markedly below the general average, the result shall be disregarded, another specimen taken from the same threads, and the result of this break included in the average.

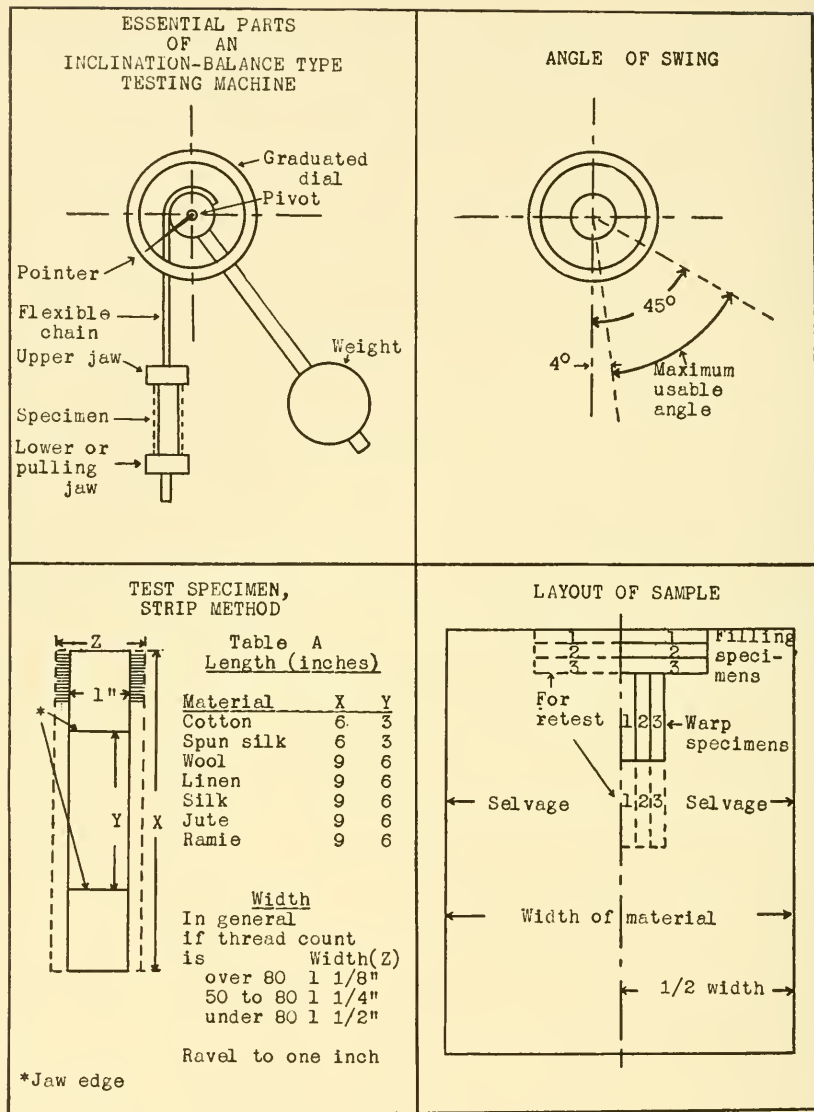


FIG. 2

V. WEIGHT PER SQUARE YARD

The weight per square yard may be determined by any one of the following three methods. In case of dispute, method No. 1 shall be used as an umpire method.

METHOD No. 1. — Take 1 yard of the sample. Weigh, and if the width is not 1 yard calculate the weight per square yard.

$$\frac{\text{Weight of linear yard}}{\text{Width}} \times 36 = \text{weight per square yard.}$$

Average, 2 tests.

METHOD No. 2. — Take a measured portion of the material and weigh. Calculate from this area the weight per square yard.

$$\frac{1,296 \times \text{weight of known area}}{\text{Area in inches}} = \text{weight per square yard.}$$

Average, 3 tests.

METHOD No. 3. — Cut from the sample a specimen 2 by 2 inches, using a steel die. No specimen for testing shall be taken less than 8 inches from either selvage. Weigh on a balance adjusted to read the weight of the material in ounces per square yard.

Average, 3 to 5 tests.

VI. WEIGHT PER LINEAR YARD

The weight per linear yard shall be computed from the weight per square yard, as follows:

$$\frac{\text{Weight per square yard} \times \text{width}}{36} = \text{weight per linear yard.}$$

VII. THREAD COUNT

The actual number of threads in 1 inch of width shall be counted in each direction at three different places in the cloth and the results averaged for each direction. Where the thread count is under 25, the actual number of threads in 3 inches shall be counted for each direction at three different places in the cloth and the results reduced to threads per inch and averaged for each direction. When the size of the sample permits, these counts shall be taken about 6 inches apart. No warp reading should be taken at less than 8 inches from the selvage.

VIII. WIDTH

The width shall be determined by laying the material on a flat surface without tension, then measuring the distance perpendicular to the length from edge to edge to an accuracy of one-sixteenth inch. Three measurements shall be taken at different places in the sample and the results averaged.

Yarn Test Methods

Extracts from American Society for Testing Materials Test Methods¹

BREAKING STRENGTH

Two test methods are given, — the skein test and the single strand test. A preferred and alternative method for each test is given. The alternative method can be used where routine testing is done on a large scale. The preferred method should always be used in case of dispute.

SKEIN TEST (PREFERRED METHOD). — A standard skein (120-yard) shall be broken after conditioning of tubes or bobbins selected for test for twelve hours, or of skeins for at least three hours, in an atmosphere of 65 per cent relative humidity and 70° F. (21° C.). An automatic yarn power tester of inclination balance type, the maximum capacity of which shall be determined in accordance with a table of machine specifications, shall be used. The speed of the pulling jaw shall be 12 inches per minute. Any yarn reel having a 1½-yard perimeter may be used in preparing the skeins. For filling-wound yarns or yarns on cones, where the yarn is drawn from the top, a speed of 100 to 300 r. p. m. of reel shall be used. For warp-wound yarns or yarn on parallel tubes, where the yarn is drawn from the side, a speed of 20 to 30 r. p. m. of reel shall be used. On reels that have only one pigtail guide, the tension shall be applied by making one full wrap of the yarn around the guide. On reels using two or more guides, the yarn shall pass straight through the guide on to the reel, the angles of the guides supplying the necessary tension. Judgment must be used in regard to the amount of tension required on yarns having little or a large amount of twist. Three tests from each of four bobbins from every case of yarn shall be made.

SINGLE STRAND TEST (PREFERRED METHOD). — Single strands shall be broken after conditioning the tubes or bobbins for twelve hours in an atmosphere of 65 per cent relative humidity, 70° F. (21° C.). A single strand tester of proper capacity with the jaws set 10 inches between grips and having a speed of pulling jaw of 12 inches per minute shall be used. The average of 4 breaks from each of 10 bobbins shall be the average strength.

PLIED YARNS (PREFERRED METHOD). — Plied yarns, except standard tire cord, shall be subjected to the single strand break after conditioning for twelve hours on spools or tubes selected for test, in an atmosphere of 65 per cent relative humidity and 70° F. (21° C.). Standard tire

¹ For complete Methods of Testing and Tolerances, see American Society for Testing Materials Book of Standards.

cord shall be tested under dry conditions in accordance with the Standard General Methods of Testing Cotton Fabrics of the American Society for Testing Materials.¹ A single strand tester of proper capacity with the jaws set 10 inches between grips and having a speed of pulling jaw of 12 inches per minute shall be used. The average of 4 breaks from each of 10 spools or tubes shall be reported as the average strength.

ALTERNATE METHOD. — Skeins of single strands of yarn, either single or plied, prepared in accordance with previous paragraphs, shall be broken under natural humidity conditions at time of test. The results thus obtained shall be reduced to a common basis of standard moisture regain equal to 7 per cent of the bone-dry weight.

MOISTURE REGAIN DETERMINATION. — To determine moisture regain present in samples, the several skeins shall be weighed collectively, immediately after testing, under natural moisture conditions which obtain at the time of test. The skeins shall then be placed in the basket of an oven at a temperature of 105 to 110° C. (221 to 230° F.) and dried to constant weight. The moisture regain is then computed as the percentage of the dry weight.

CORRECTION TO STANDARD REGAIN. — (a) The following formula shall then be applied, based on the assumption that the standard moisture regain of cotton yarns is 7 per cent of the dry weight; that the actual percentage regain is between the limits of 3 and 7 per cent of the dry weight; and that for 1 per cent of moisture regain there is an increase of 6 per cent in the tensile strength of the yarn.

$$\text{Tensile strength corrected to standard moisture regain} = \frac{(\text{Tensile strength from machine reading}) \times 142}{100 + (6 \times \text{actual percentage regain})}$$

(b) Moisture regain tests shall be made periodically during the hours of testing as the natural humidity conditions are found to vary.

STRENGTH CORRECTION TO SIZE. — The average tensile strength shall be corrected to the specified size as determined in accordance with the following paragraphs, by the following formula:

$$\text{Corrected tensile strength} = \text{Actual average strength} \times \frac{\text{Actual average size}}{\text{Specified size}}$$

SIZE OR YARN NUMBER

SIZE OF SINGLE YARNS (PREFERRED METHOD). — The size of all standard skeins used in the skein strength test shall be determined im-

¹ American Society for Testing Materials, 1921 Book of Standards.

mediately after being broken. In case the single strand test is made, the standard skein shall be prepared for the size determination at the time of the break, and the size determined immediately. The balance to be used in this test shall be accurate to 0.25 per cent of the standard size of the yarn. When the balance does not indicate the size directly, the yarn number or size may be calculated from the formula:

$$\text{Yarn number or size} = \frac{\text{Length in yards of single yarn}}{\text{Weight in grains}} \times \frac{7000 \text{ (grains in 1 pound)}}{840 \text{ (yards of No. 1 cotton yarn per pound)}}$$

SIZE OF PLIED YARNS (PREFERRED METHOD). — In determining the size of plied yarns, the skein shall be prepared in accordance with Table I, and the size shall be determined after conditioning of tubes or spools selected for test for twelve hours, or of skeins for at least three hours, in an atmosphere of 65 per cent relative humidity and 70° F. (21° C.). Any yarn reel having a 1½-yard perimeter may be used in preparing the skeins. For filling-wound yarns or yarn on cones, a speed of 100 to 300 r. p. m. of reel shall be used. For warp-wound yarns or yarn on parallel tubes, a speed of 20 to 30 r. p. m. of reel shall be used. On reels that have only one pigtail guide, the tension shall be applied by making one full wrap of the yarn around the guide. On reels using two or more guides, the yarn shall pass straight through the guides on to the reel, the angles of the guides supplying the necessary tension.

TABLE I

EQUIVALENT SINGLES SIZE	Yards for Size	Conversion Formula	Number of Tests Per Case of Yarn
20's and above	60	$\frac{\text{Size}}{2} = \text{ply size}$	3 from each of 4 spools or tubes
3's to 20's	24	$\frac{\text{Size}}{5} = \text{ply size}$	3 from each of 4 spools or tubes
Below 3's	12	$\frac{\text{Size}}{10} = \text{ply size}$	3 from each of 4 spools or tubes

SIZE OF ALL YARNS (ALTERNATE METHOD). — All yarns used in the alternative method of testing for strength shall be sized under natural humidity conditions at the time of test. Plied yarns shall be prepared in skeins in accordance with Table I. The moisture regain shall then be determined and results corrected to a common basis of standard

moisture regain equal to 7 per cent of the bone-dry weight by means of the formula:

$$\text{Size corrected to standard moisture regain} = \frac{\text{Size} \times (100 + \text{actual percentage regain})}{107}.$$

The average of these tests shall be the average size of case, bale, ball chain or beam warp of yarn.

TWIST

TWIST OF SINGLE YARNS. — No precision method of determining the twist of single yarns has been developed.

TWIST OF PLIED YARNS. — The ply twist in yarns of two or more ply shall be determined on any standard twist counter with jaws set 10 inches apart. The strands shall be clamped in jaws under a definite tension by attaching weights. The tension to be used shall be determined from the formula:

$$\text{Tension, in grams} = \frac{156 \text{ (Constant)}}{\text{Equivalent singles size}}.$$

The constant of 156 represents a tension which should be placed on yarn or cord to hold it sufficiently taut and still not remove any stretch.

NUMBER OF TESTS. — Three twist tests on each of four packages of yarn from each case shall be made, and the average of these twelve tests shall be the average of the case.

Analysis of Cloth for Tariff Purposes

Treasury Decisions 33823 and 34255

Under the provisions of paragraph 253 the rates of duty are to be ascertained according to the average number of the yarns in the condition in which imported. The length of the yarn is to be counted as equal to the distance covered by it in the cloth, all clipped threads to be measured as if continuous, and all ply yarns to be separated into singles and the count taken of the total singles; any excessive sizing to be removed by boiling or other suitable process. The number of the yarn is the English number of 840 yards to a pound for a No. 1 yarn.

The average number of the yarn may be found without unraveling the fabric, and is the quotient of the division of the total thread length by the weight in the proportion of 840 yards of yarn equaling 1 pound of 7,000 grains or 1 yard of yarn equaling $8\frac{1}{3}$ grains, which is equivalent to a No. 1 yarn.

The following simple formula may be used: Multiply the count of threads per square inch by the number of square inches in the sample used, this product to be multiplied by 100; then divide the product thus obtained by the weight of the sample in grains multiplied by 432. The quotient will give the number of the yarn. For example, take a sample of cotton cloth 4 inches square, which equals 16 square inches, having 28 warp and 28 woof threads, a total of 56 threads to the square inch, and weighing 8.6 grains. The formula applied would be as follows:

$$\frac{56 \times 16 \times 100}{8.6 \times 432} = 24, \text{ the number of the yarn.}$$

The formula may be further simplified by weighing a square yard of said cloth and dividing the number of threads per square inch by $1/300$ of the weight of a square yard in grains.

Samples of all cotton cloth should be forwarded to the United States appraiser at New York on the C. V. R. cards, under the provisions of T. D. 31936. When a square yard or more is available for test the following formula may be used:

$$\frac{\text{Number of threads per square inch} \times 24}{\text{Number of ounces per square yard} \times 35} = \text{Average number of yarn.}$$

An addition of $8\frac{1}{2}$ per cent to be made to bone-dry weight in ascertaining the number of the yarn in cotton cloth.

Breaking Strength of American Yarns spun from American Cotton

By George Draper

120 Yards Weight (Grains)	Number of Yarn	OLD	NEW			120 Yards Weight (Grains)	Number of Yarn	OLD	NEW
		Breaking Weight of Warp Yarn	Breaking Weight of Warp Yarn	Breaking Weight Combed Warp	Breaking Weight Soft Twist Yarn			Breaking Weight of Warp Yarn	Breaking Weight of Combed Warp
1,000	1	—	—	—	—	19.6	51	36.6	47—
500	2	—	—	—	—	19.2	52	36.1	46
333.3	3	530	634+	863—	620+	18.9	53	35.5	45+
250	4	410	476—	646	462	18.5	54	34.9	44+
200	5	330	381	516	367	18.2	55	34.4	43+
166.7	6	275	318—	429+	304—	17.9	56	33.8	42+
142.9	7	237.6	272+	367+	258+	17.5	57	33.4	42—
125	8	209	238+	321	224+	17.2	58	32.8	41—
111.1	9	186.5	212+	285—	198+	17	59	32.3	40+
100	10	168.7	191	256	177	16.7	60	31.7	39+
90.9	11	154.1	174—	232+	160—	16.4	61	31.3	39—
83.3	12	142	159+	213—	145+	16.1	62	30.8	38—
76.9	13	131.5	147+	196	133+	15.9	63	30.4	37+
71.4	14	122.8	137—	182—	123—	15.6	64	30	37—
66.7	15	115.1	128—	169+	114—	15.4	65	29.6	36
62.5	16	108.4	120—	158+	106—	15.2	66	29.2	35+
58.8	17	102.5	113—	149—	99—	14.9	67	28.8	35—
55.6	18	97.3	107—	140+	93—	14.7	68	28.5	34+
52.6	19	92.6	101	133—	87	14.5	69	28.2	34—
50	20	88.3	96	126	82	14.3	70	27.8	33+
47.6	21	83.8	91+	120—	77+	14.1	71	27.4	33—
45.5	22	79.7	87+	114+	73+	13.9	72	27.1	32+
43.5	23	75.9	84—	109+	70—	13.7	73	26.8	32—
41.7	24	72.4	80+	104+	66+	13.5	74	26.5	31+
40	25	69.2	77	100	63	13.3	75	26.2	31—
38.5	26	66.3	74+	96	60+	13.2	76	25.8	30+
37	27	63.6	71+	92+	57+	13	77	25.5	30—
35.7	28	61.3	69—	89—	55—	12.8	78	25.3	29+
34.5	29	59.2	67—	86—	53—	12.7	79	24.9	29—
33.3	30	57.3	64+	83—	50+	12.5	80	24.6	28+
32.3	31	55.6	62+	80—	48+	12.4	81	24.3	28+
31.3	32	54	60+	77+	46+	12.2	82	24	28—
30.3	33	52.6	59—	75—	45—	12.1	83	23.7	27+
29.4	34	51.2	57—	72+	43—	11.9	84	23.4	27—
28.6	35	50	55+	70+	41+	11.8	85	23.2	27—
27.8	36	48.7	54—	68+	40—	11.6	86	22.8	26+
27	37	47.6	52+	66+	38+	11.5	87	22.6	26—
26.3	38	46.5	51	64+	37	11.4	88	22.4	26—
25.6	39	45.5	50—	63—	36—	11.2	89	22.2	25+
25	40	44.6	48+	61	34+	11.1	90	22	25—
24.4	41	43.8	47+	59+	33+	11	91	21.7	25—
23.8	42	43	46+	58—	32+	10.9	92	21.5	24+
23.3	43	42.2	45+	56+	31+	10.8	93	21.3	24—
22.7	44	41.4	44+	55+	30+	10.6	94	21.2	24—
22.2	45	40.7	43+	54—	29+	10.5	95	21	23+
21.7	46	40	42+	53—	28+	10.4	96	20.7	23+
21.3	47	39.3	41+	51+	27+	10.3	97	20.5	23—
20.8	48	38.6	41—	50+	27—	10.2	98	20.4	23—
20.4	49	37.9	40—	49+	26—	10.1	99	20.2	22+
20	50	37.3	39	48	25	10	100	20	22

Breaking Strength of Carded Warp Yarn

Courtesy of F. P. Sheldon & Son

COUNTS	STAPLE				
	$\frac{3}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$
10	150.5	186.5	218.5	254	—
12	125	153.5	181.5	210	248
14	106	130	154	178	205
16	90	111.5	133	155	176.5
18	78	97.5	116.5	137	156
20	68	85.5	103.5	122.5	140.5
22	59.5	76	92	109	123.5
24	53	69	83	98.5	111.5
26	47.5	62.5	76	89	102
28	43.5	57.5	70	81.5	93
30	40	52.5	64.5	75	86
32	35.5	48	60	69	80
34	33.5	44.5	55.5	64	75
36	30.5	41	51	60	70
38	28	38.5	47.5	56	66
40	25.5	35.5	44	52.5	62
42	23.5	33	41	49	58.5
44	22	30.5	38.5	46	55
46	20	28.5	36	44	52
48	18.5	27	34	41.5	48.5
50	17	25	32	39	46.5
52	16	23.5	30	37	44.5
54	15	22	28.5	35	42.5
56	13.5	20.5	26.5	33.5	40.5
58	12.5	19	25	31.5	38.5
60	11.5	17.5	23.5	30	36.5
62	11	16.5	22	28	34.5
64	10	15.5	21	26.5	33
66	9	14	19.5	25	31
68	8	13	18	23.5	29.5
70	7.5	12.5	17.5	22	28

$$\text{Strength of yarn in pounds} = \frac{1600 (1 + \text{or} - .11a + \text{or} - .01b)}{c}$$

a = Difference in sixteenths of staple over or under one inch. Use + sign when over, — when under.

b = Difference in number of yarn above or below 28s. Use — sign when over 28s, + sign when below 28s.

c = Yarn count.

The above table represents the breaking strength found by testing a great many samples of yarn using the 120 yard skein after conditioning in an atmosphere containing 70 per cent relative humidity.

Breaking Strength of Combed Warp Yarn

Courtesy of F. P. Sheldon & Son

COUNTS	STAPLE				
	1¼	1½	1¾	1½	1¾
20	113	132.5	151.5	170	189
22	100	119	136.5	152.5	173
24	90	108.5	125	139.5	157
26	83	98.5	114	128	143.5
28	76.5	90	105	117.5	133
30	70.5	82.5	96	108	121.5
32	64.5	76.5	89	100	112
34	60	71	82.5	94	105
36	56	66.5	77.5	88	99
38	52	61.5	72.5	82	92.5
40	48	57.5	68	77.5	87
42	45	54	64	73	82
44	42	51	60	68.5	77.5
46	39.5	48	57	65	73.5
48	37.5	45.5	53.5	61.5	69
50	35	43	51	58.5	65.5
52	33	40.5	48	55.5	62
54	31	38.5	46	52.5	59
56	29.5	36.5	43.5	50.5	56.5
58	28	34.5	41	47.5	53.5
60	26.5	32.5	39.5	45.5	51
62	25	31	37.5	43.5	49
64	24	29.5	35.5	41.5	47
66	22.5	28	34	39.5	45
68	21.5	27	32.5	38.5	43.5
70	20	26	31	36.5	41.5
72	19	24.5	30	35	40
74	18	23.5	28.5	33.5	38.5
76	17	22.5	27.5	32	37.5
78	16.5	21.5	26.5	31	36
80	15.5	20.5	25.5	30	34.5
82	15	19.5	24.5	28.5	33
84	14	18.5	23	27.5	31.5
86	13	17.5	22	26.5	30.5
88	12.5	17	21	25.5	29.5
90	12	16	20	25	28.5
92	11	15.5	19.5	24	27.5
94	10.5	15	18.5	23	27
96	9.5	14	17.5	22	26
98	9	13.5	17	21	25.5
100	8.5	12.5	16.5	20	24.5
102	8	12	15.5	19.5	23.5
104	7.5	11.5	15	19	22.5
106	7	11	14.5	18	22
108	7	10.5	14	17.5	21.5
110	6.5	10	13.5	17	20.5
112	6	9.5	12.5	16.5	19.5
114	5.5	9	12	16	19
116	5.5	8.5	11.5	15.5	18.5
118	5	8	11	15	17.5
120	4.5	7.5	10.5	14	17

Strength of Combed Yarns computed from formula:

$$\frac{1750 (1 + .11a \pm .01b)}{c} = s$$

c = counts.

s = strength in pounds.

a = difference in sixteenths of staple over one inch.

d = difference in number of yarn above or below 28s, use — sign when over and + sign when under.

Correction Tables for Converting the Apparent Breaking Strength to a 6.5 Per Cent Basis

The "Correction Rates" of strength increase for various fabrics has been computed by Prof. George B. Haven¹ to be as follows:

FABRIC	Weight of Fabric in Ounces per Square Yard at 6 Per Cent Regain	Correction Rate
Cheesecloth	1.54	0.51
Osnaburg	8.10	2.67
Airplane wing fabric	4.00	1.32
Sheeting	5.48	1.81
Tire duck	17.30	5.71
Belt duck	29.10	9.60
Heavy duck	49.34	16.28

Correction tables for three of these fabrics have been made, based on the following formula:

$$\text{Corrected breaking strength} = \frac{\text{Apparent strength} \times [100 + ("X" \times 6.5)]}{100 + ("X" \times \text{actual regain at test})}$$

Where for sheeting X=1.81 for regains between 3 and 9 per cent.

Osnaburg X=2.67 for regains between 3 and 9 per cent.

Tire fabric X=7.0 for regains between 3 and 6.5 per cent.

X=4.0 for regains between 6.5 and 9 per cent.

¹ For complete data see National Association of Cotton Manufacturers' Transactions No. 110, pages 117-154.

Correction Table for Converting the Apparent Breaking Strength of Sheeting Weighing Approximately
5.5 Ounces per Square Yard to a 6.5 Per Cent Regain Basis

ACTUAL BREAK	PERCENTAGE OF REGAIN TO DRY WEIGHT												
	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
35.0	37.1	36.7	36.5	36.4	35.9	35.6	35.3	35.0	34.7	34.4	34.2	33.9	33.6
37.5	39.8	39.4	39.2	38.8	38.4	38.1	37.8	37.5	37.2	36.9	36.7	36.4	36.1
40.0	42.4	42.0	41.7	41.3	41.0	40.7	40.3	40.0	39.7	39.3	39.1	38.8	38.5
42.5	45.1	44.6	44.3	43.9	43.5	43.2	42.9	42.5	42.2	41.8	41.5	41.2	41.8
45.0	47.7	47.3	46.9	46.5	46.1	45.8	45.4	45.0	44.6	44.3	44.0	43.6	43.3
47.5	50.4	49.8	49.5	49.1	48.7	48.3	47.9	47.5	47.1	46.7	46.4	46.0	45.6
50.0	53.0	52.5	52.1	51.7	51.2	50.9	50.4	50.0	49.6	49.2	48.9	48.5	48.1
52.5	55.6	55.2	54.7	54.3	53.8	53.4	53.0	52.5	52.1	51.6	51.3	50.9	50.4
55.0	58.4	57.8	57.3	56.8	56.3	56.0	55.5	55.0	54.6	54.1	53.8	53.3	52.9
57.5	61.0	60.4	59.9	59.4	58.9	58.5	58.0	57.5	57.0	56.6	56.2	55.8	55.3
60.0	63.6	63.0	62.5	62.0	61.5	61.0	60.6	60.0	59.5	59.0	58.6	58.2	57.6
62.5	66.2	65.6	65.1	64.6	64.1	63.6	63.1	62.5	62.0	61.5	61.1	60.6	60.0
65.0	69.0	68.2	67.8	67.2	66.6	66.1	65.6	65.0	64.5	64.0	63.6	63.0	62.4
67.5	71.6	70.8	70.3	69.8	69.2	68.6	68.1	67.5	67.0	66.4	66.0	65.5	64.8
70.0	74.2	73.4	72.9	72.3	71.8	71.2	70.6	70.0	69.5	68.8	68.4	68.0	67.3
72.5	76.8	76.2	75.5	75.0	74.3	73.8	73.2	72.5	71.9	71.3	70.9	70.3	69.7
75.0	79.6	78.8	78.1	77.5	76.9	76.3	75.6	75.0	74.4	73.7	73.3	72.8	72.1
77.5	82.2	81.4	80.7	80.1	79.4	78.8	78.2	77.5	76.9	76.2	75.7	75.2	74.5
80.0	84.8	84.0	83.3	82.8	82.0	81.4	80.7	80.0	79.4	78.7	78.2	77.6	76.9
82.5	87.4	86.6	86.0	85.3	84.5	83.9	83.2	82.5	81.8	81.1	80.6	80.0	79.3
85.0	90.1	89.2	88.6	87.8	87.2	86.5	85.8	85.0	84.4	83.6	83.1	82.4	81.7

**Correction Table for Converting the Apparent Breaking Strength of 30-inch 7-ounce Osnaburg to
a 6.5 Per Cent Regain Basis**

ACTUAL BREAK	PERCENTAGE OF REGAIN TO DRY WEIGHT												
	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
60.0	65.2	64.4	63.6	62.8	62.1	61.4	60.7	60.0	59.2	58.6	58.1	57.3	56.7
62.5	67.8	67.1	66.2	65.4	64.7	63.9	63.2	62.5	61.7	61.0	60.4	59.8	59.1
65.0	70.6	69.8	68.9	68.0	67.2	66.4	65.7	65.0	64.2	63.7	62.9	62.2	61.3
67.5	73.3	72.5	71.6	70.7	69.9	69.0	68.3	67.5	66.7	65.9	65.2	64.5	63.8
70.0	76.0	75.2	74.2	73.3	72.5	71.6	70.8	70.0	69.2	68.4	67.7	66.9	66.2
72.5	78.7	77.9	76.8	75.9	75.0	74.1	73.4	72.5	71.6	70.8	70.2	69.3	68.6
75.0	81.4	80.6	79.5	78.5	77.7	76.8	75.8	75.0	74.0	73.3	72.6	72.7	70.9
77.5	84.2	83.3	82.2	81.1	80.2	79.2	78.3	77.5	76.5	75.7	74.9	74.0	73.3
80.0	86.9	85.9	84.8	83.8	82.8	81.8	80.9	80.0	79.0	78.1	77.4	76.4	75.6
82.5	89.6	88.6	87.5	86.4	85.4	84.4	83.4	82.5	81.5	80.6	79.8	78.9	78.0
85.0	92.2	91.3	90.0	89.0	88.0	87.0	86.0	85.0	84.0	83.0	82.2	81.2	80.3
87.5	95.0	94.0	92.7	91.6	90.6	89.5	88.5	87.5	86.5	85.4	84.6	83.5	82.7
90.0	97.7	96.6	95.4	94.2	93.2	92.0	91.0	90.0	88.8	87.9	87.0	86.0	85.0
92.5	100.4	99.4	98.0	96.9	95.8	94.6	93.5	92.5	91.4	90.3	89.5	88.4	87.4
95.0	103.1	102.0	100.6	99.4	98.4	97.2	96.1	95.0	93.9	92.8	90.0	90.8	89.8

Correction Table for Converting the Apparent Breaking Strength of 17 $\frac{1}{4}$ -Ounce Tire Fabric to a 6.5 Per Cent Regain Basis

ACTUAL BREAK	PERCENTAGE OF REGAIN TO DRY WEIGHT												
	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
105	123.7	120.6	117.7	114.9	112.3	109.7	107.3	105.0	103.3	101.7	100.2	98.7	98.3
110	129.6	126.4	123.3	120.4	117.6	115.0	112.4	110.0	108.2	106.4	105.0	103.4	101.9
115	135.5	132.1	128.9	125.9	123.0	120.2	117.5	115.0	113.1	111.5	109.8	108.1	106.5
120	141.4	137.9	134.5	131.4	128.3	125.4	122.6	120.0	118.0	116.3	114.6	112.8	111.1
125	147.3	143.6	140.1	136.8	133.7	130.6	127.8	125.0	122.9	121.2	119.3	117.5	115.8
130	153.1	149.3	145.7	142.3	139.0	135.9	132.9	130.0	127.9	126.0	124.1	122.2	120.4
135	159.0	155.1	151.3	147.8	144.3	141.1	138.0	135.0	132.8	130.8	128.9	126.9	125.1
140	164.9	160.8	156.9	153.2	149.7	146.3	143.1	140.0	137.7	135.7	133.6	131.6	129.7
145	170.8	166.6	162.5	158.7	155.0	151.5	148.2	145.0	142.6	140.5	138.4	136.3	134.3
150	176.7	172.3	168.1	164.2	160.4	156.8	153.3	150.0	147.6	145.4	143.2	141.0	138.9
155	182.6	178.1	173.7	169.6	165.7	162.0	158.4	155.0	153.5	150.2	147.9	145.7	143.6
160	188.5	183.8	179.4	175.1	171.1	167.2	163.5	160.0	158.4	155.0	152.6	150.4	148.3
165	194.4	189.5	185.0	180.6	176.4	172.4	168.6	165.0	163.3	159.9	157.4	155.1	152.9
170	200.3	195.3	190.6	186.1	181.8	177.7	173.7	170.0	168.3	164.7	162.2	159.8	157.5
175	206.1	201.0	196.2	191.5	187.1	182.9	178.9	175.0	172.2	169.6	167.0	164.5	162.2
180	212.0	206.8	201.8	197.0	192.5	188.1	184.0	180.0	177.1	174.4	171.8	169.2	166.8
185	217.9	212.5	207.4	202.5	197.8	193.3	189.1	185.0	182.0	179.2	176.6	173.9	171.4
190	223.8	218.3	213.0	208.0	203.2	198.6	194.2	190.0	186.9	184.1	181.3	178.6	176.1
195	229.7	224.0	218.6	213.4	208.5	203.8	199.3	195.0	191.9	188.9	186.1	183.3	180.7
200	235.6	229.8	224.2	218.9	213.8	209.0	204.4	200.0	196.8	193.8	190.9	188.0	185.3
205	241.5	235.5	229.8	224.4	219.2	214.2	209.5	205.0	201.7	198.6	195.6	192.7	189.9
210	247.4	241.2	235.4	229.8	224.5	219.5	214.6	210.0	206.6	203.4	200.4	197.4	194.6
215	253.3	247.0	241.0	235.3	229.9	224.7	219.7	215.0	211.5	208.3	205.2	202.1	199.2
220	259.2	252.7	246.6	240.8	235.2	229.9	224.9	220.0	216.5	213.1	210.0	206.8	203.8
225	265.1	258.5	252.2	246.3	240.6	235.2	230.0	225.0	221.4	217.9	214.7	211.5	208.4

Correction Table for Converting the Apparent Breaking Strength of 17 $\frac{1}{4}$ -Ounce Tire Fabric to a 6.5 Per Cent Regain Basis — (Continued)

ACTUAL BREAK	PERCENTAGE OF REGAIN TO DRY WEIGHT												
	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
230	270.9	264.2	257.8	251.7	245.9	240.4	235.1	230.0	226.3	222.8	219.7	216.2	213.1
235	276.8	270.0	263.4	257.2	251.3	245.6	240.2	235.0	231.3	227.7	224.4	220.9	217.7
240	282.7	275.7	269.0	262.7	256.6	250.8	245.3	240.0	236.2	232.6	229.2	225.6	222.3
245	288.6	281.4	274.6	268.1	262.0	256.1	250.4	245.0	241.2	237.4	234.0	230.3	226.9
250	294.5	287.2	280.1	273.6	267.3	261.3	255.5	250.0	246.1	242.3	238.7	235.0	231.6
255	300.4	292.9	285.8	279.1	272.7	266.5	260.6	255.0	251.0	247.1	243.5	239.7	236.2
260	306.3	298.7	291.5	284.6	278.0	271.7	265.7	260.0	255.9	251.9	248.3	244.4	240.8
265	312.1	304.4	297.1	290.0	283.4	277.0	270.8	265.0	260.8	256.8	253.0	249.1	245.5
270	318.1	310.2	302.6	295.5	288.7	282.2	276.0	270.0	265.7	262.6	257.8	253.8	250.1
275	323.9	315.9	308.3	301.0	294.0	287.4	281.1	275.0	270.6	266.5	262.6	258.5	254.7
280	329.8	321.7	313.9	306.5	299.4	292.6	286.2	280.0	275.6	271.3	267.4	263.2	259.4
285	335.7	327.4	319.5	311.9	304.7	297.9	291.3	285.0	280.5	276.1	272.1	267.9	264.0
290	341.6	333.1	325.1	317.4	310.1	303.1	296.4	290.0	285.4	281.0	276.9	272.6	268.6
295	347.5	338.5	330.7	322.9	315.4	308.3	301.5	295.0	290.4	285.8	281.7	277.3	273.2
300	353.4	344.6	336.3	328.3	320.7	313.5	306.6	300.0	295.3	290.7	286.4	282.0	277.9
305	359.3	350.4	341.9	333.8	326.1	318.8	311.7	305.0	300.2	295.5	291.2	286.7	282.5
310	365.2	356.1	347.5	339.3	331.5	324.0	316.8	310.0	305.1	300.3	296.0	291.4	287.1
315	371.1	361.3	353.1	344.8	336.8	329.2	321.9	315.0	310.0	305.2	300.7	296.1	291.8
320	376.9	367.6	358.7	350.2	342.2	334.4	327.1	320.0	315.0	310.0	305.5	300.8	296.4
325	382.8	373.3	364.3	355.7	347.5	339.7	332.2	325.0	319.9	314.9	310.3	305.5	301.0
330	388.7	379.1	369.9	361.2	352.8	344.9	337.3	330.0	324.8	319.7	315.1	310.2	305.7
335	394.6	384.8	375.5	366.7	358.2	350.1	342.4	335.0	329.7	324.5	319.8	314.9	310.3
340	400.5	390.6	381.1	372.1	363.5	355.3	347.5	340.0	334.6	329.4	324.6	319.6	314.9
345	406.4	396.3	386.7	377.6	368.9	360.6	352.6	345.0	339.6	334.2	329.4	324.3	319.5
350	412.3	402.1	392.3	383.1	374.2	365.8	357.7	350.0	344.5	339.1	334.1	329.0	324.2

Correction Table for Converting the Apparent Breaking Strength of 17¼-Ounce Tire Fabric to a 6.5 Per Cent Regain Basis — (Concluded)

Federal Specifications Board — Specifications for Cotton Materials

COMMODITY	Federal Specifications Board Number	Bureau of Standards Number
Absorbent cotton	288	—
Airplane cloth, cotton mercerized, Grade A	258	C270
Asphalt-saturated woven cotton fabric for waterproofing	294	—
Bandage, gauze, compressed	298	—
Bandage, plain gauze roller, assorted	299	—
Belting, conveyor (stitched duck)	466	—
Bottle, hot-water, cloth-inserted	220a	C249
Cheesecloth, bleached or semi-bleached	253a	C257
Cheesecloth remnants for wiping purposes	344	—
Cheesecloth, unbleached	252a	C258
Cheesecloth for wiping purposes	251a	C255
Cloths, wiping	260	C267
Cotton waste, colored	263a	C263
Cotton waste, white	262a	C262
Denim, blue, indigo (shrunk)	256a	C265
Denim, blue, indigo (unshrunk)	257a	C266
Denim, brown (shrunk)	254a	C256
Denim, brown (unshrunk)	255a	C259
Duck, cotton, numbered	53	C136
Duck, light weight (army duck, gray)	159	C166
Duck, tent (special construction for bleaching or dyeing, gray)	160	C167
Fabric, cotton, for waterproofing, asphalt, saturated woven	294	C287
Gauze, plain	289	—
Hose, air brake and signal, and gaskets	43	—
Hose, chemical	47	—
Hose, divers	44	C289
Hose, fire, cotton rubber lined (couplings and gaskets)	38b	C114
Hose, gas	40	C290
Hose, gasoline, rubber-metal	136a	C269
Hose, oil suction and discharge	63	C209
Hose, pneumatic: (a) hose, rock drill; (b) hose, pneumatic tool	41b	—
Hose, spray	45	—
Hose, steam	49b	C268
Hose, tender (corrugated)	46	—
Hose, water suction (smooth bore)	50	C292
Hose, water and wash deck	48	C291
Hosiery, sizes, measuring	92	—
Oilcloth, table, white	498	—
Packing, fabric condenser tube	99	—

Federal Specifications Board — Specifications for Cotton Materials — (Concluded)

COMMODITY	Federal Specifications Board Number	Bureau of Standards Number
Packing, rubber, cloth insertion	110a	C236
Pillowcases, cotton, bleached	305	C277
Rags, colored cotton, for wiping machinery (sterilized)	259	C261
Rags, white cotton, for wiping machinery (sterilized)	261	C264
Ribbons, computing and recording machine	169a	—
Ribbons, hectograph	168a	—
Ribbons, typewriter	167a	—
Ring cushions, cloth-inserted	226a	C254
Rope, cotton	447	—
Rubber sheetings	233a	C253
Seams, stitches and stitching (price, 20 cents)	384	C283
Shades, window, shade cloth, rollers, slats, and cords	367	—
Sheeting, cotton, bleached wide	303	C273
Sheeting, cotton, brown	301	C272
Sheeting, cotton, brown wide	302	C278
Sheets, cotton, bleached (medium and high count sheeting)	304	C274
Sleeves, dredging	42	—
Textile materials, general specifications for (methods of physical and chemical tests)	345	C293
Tires, pneumatic, solid, and inner tubes	3b	C115
Towels, huck (with woven name)	422	—

Specifications bearing only a Federal Specifications Board number are in mimeograph form and can be obtained upon request from the Federal Specifications Board, Bureau of Standards, Washington, D. C.

Specifications bearing Bureau of Standards circular numbers or other Bureau publication numbers in addition to the Federal Specifications Board number are in printed form and must be purchased from the Superintendent of Documents at the prices indicated. In requesting specifications from the Superintendent of Documents the Bureau publication number must be stated.

The price of each printed specification is 5 cents per copy, unless otherwise noted.

Construction of Standard Fabrics ¹

ALBERTS

WIDTH	Weight (Yards per Pound)	COUNT		YARN NUMBER	
		Warp	Filling	Warp	Filling
35.0	5.40	64	72	29.0	39.0
35.0	5.10	64	80	29.0	40.0
35.0	4.40	64	80	28.0	30.0
35.0	4.00	68	80	27.0	29.0

BROADCLOTHS					
37.0	4.40	112	60	40.0	33.0

DRILLS, WIDE					
54.0	1.93	62	40	13.5	15.5

JEANS					
39.0	3.00	96	64	24.0	28.0
38.0	2.85	96	64	22.0	26.0
38.0	3.15	84	56	21.0	26.0

PAJAMA CHECKS					
36.5	4.70	72	80	30.0	41.0
36.5	4.00	88	88	29.0	41.0

PONGEE					
34.0	7.00	72	100	80.0	41.0
43.0	4.90	76	104	80.0	40.0

PRINT CLOTH					
28.0	7.30	64	60	30.0	38.0
27.0	7.60	64	60	30.0	38.0
27.0	8.70	56	56	30.0	42.0
27.0	9.00	56	52	30.0	40.0
27.0	9.75	56	44	29.0	41.0
25.0	10.55	56	44	30.0	40.0
32.0	6.50	64	60	30.0	40.0
31.5	7.50	56	52	29.0	39.0
34.0	6.00	64	60	28.0	40.0
36.0	5.75	64	60	30.0	38.0
35.0	5.00	68	72	30.0	37.0
39.0	6.60	56	44	28.0	40.0

¹ Constructions may require slight variations to secure proper weights due to differences in conditions in individual mills.

Construction of Standard Fabrics¹—(Continued)

PRINT CLOTH—(Concluded)

WIDTH	Weight (Yards per Pound)	COUNT		YARN NUMBER	
		Warp	Filling	Warp	Filling
40.0	6.00	56	56	29.0	43.7
38.5	6.25	60	48	30.0	40.0
38.5	5.50	64	60	30.0	40.0
38.5	5.35	64	60	28.0	40.0
39.0	4.75	68	72	30.0	40.0
39.0	4.25	72	76	30.0	37.0
39.0	4.00	80	80	28.0	39.0
43.0	5.60	56	52	29.0	38.0
43.0	5.85	56	48	28.0	41.0
44.0	4.65	64	60	30.0	38.0
41.0	4.10	72	80	30.0	40.0

SATEENS, FILLING

31.5	5.50	64	88	32.0	37.0
37.5	5.25	64	72	28.0	42.0
37.5	4.70	64	88	29.0	42.0
37.5	4.37	64	104	34.0	38.0
39.0	4.20	64	104	34.0	38.0
39.0	4.00	64	112	28.0	42.0

SHEETINGS, NARROW

30.0	3.60	48	48	14.0	13.5
31.0	5.00	48	48	20.0	20.0
31.0	4.50	44	44	17.0	16.0
32.0	6.25	40	40	20.0	22.0
36.0	6.00	40	40	20.0	23.0
36.0	3.00	48	48	12.0	16.6
36.0	3.25	48	44	13.0	16.0
36.0	3.90	40	38	13.0	16.0
36.0	4.00	48	52	17.0	21.0
36.0	4.00	56	60	20.0	24.0
36.0	4.25	56	56	21.0	25.0
36.0	4.50	48	44	20.0	18.0
36.0	4.70	48	52	22.0	22.0
36.0	5.00	48	48	22.0	23.5
36.0*	5.50	48	40	22.0	24.0
36.0	5.50	44	44	21.0	26.0
36.0	6.15	44	40	23.0	26.0
37.0	4.00	48	48	17.0	21.0
36.0	3.50	64	68	21.0	24.0
40.0	2.50	48	48	13.0	13.0
40.0	2.85	48	48	14.0	16.0
40.0	3.60	56	60	20.0	25.0
40.0	3.75	48	44	17.0	21.0
40.0	4.25	44	40	17.0	21.0
40.0	5.00	44	44	21.0	26.0
40.0	5.50	44	44	24.0	27.0
40.0	3.15	64	68	21.0	24.0

¹Constructions may require slight variations to secure proper weights due to differences in conditions in individual mills.

Construction of Standard Fabrics ¹—(Concluded)

SHEETINGS, WIDE

WIDTH	Weight (Yards per Pound)	COUNT		YARN NUMBER	
		Warp	Filling	Warp	Filling
60.0	3.30	48	48	25.0	25.0

TOBACCO OR CHEESE CLOTH

36.0	13.50	32	24	30.0	42.0
36.0	13.00	32	28	30.0	43.0
36.0	12.00	32	28	30.0	37.0
36.0	10.50	36	32	30.0	37.0
36.0	10.20	40	32	30.0	38.0
36.0	9.65	40	36	28.0	38.0
36.0	9.20	44	36	29.0	38.0
36.0	9.20	40	40	29.0	40.0
36.0	8.50	44	40	30.0	37.0
36.0	8.10	44	44	29.0	38.0
36.0	7.75	48	44	29.0	38.0

TWEILLS, THREE-LEAF FILLING

39.0	4.80	64	72	30.0	38.0
39.0	4.50	68	76	28.0	40.0
39.0	4.25	68	76	28.0	36.0
39.0	4.00	68	76	28.5	31.0
39.0	3.65	80	92	30.0	36.0
43.0	4.00	68	76	30.0	36.0

TWEILLS, THREE-LEAF WARP

39.0	6.00	64	48	28.5	44.0
39.0	5.25	64	56	28.5	38.0
39.0	5.10	64	64	28.5	40.0
39.0	3.90	80	80	29.0	39.0
43.0	4.75	68	52	28.0	40.0
43.0	4.30	68	60	28.0	36.0

TWEILLS, FOUR-LEAF

29.0	2.15	104	48	15.0	11.0
30.0	2.31	104	48	15.0	12.0
30.0	2.50	104	48	18.0	11.0
30.0	2.65	104	48	18.0	13.0
30.0	2.50	88	48	13.0	15.0
29.5	3.00	88	37	15.0	15.0
29.5	2.00	88	48	13.5	9.0
30.0	2.31	88	48	13.0	13.0
30.0	2.15	88	48	12.0	11.0
30.0	2.10	88	58	12.0	12.0
30.0	3.25	88	38	17.0	15.0
30.0	2.40	88	48	13.0	14.0

¹Constructions may require slight variations to secure proper weights due to differences in conditions in individual mills.

Standard List of Wide and Sail Duck

The following table shows a list of ducks approved as standard by the Division of Simplified Practice and the Cotton Duck Association
[Pounds per Yard]

WIDTH (INCHES)	2.0	1.0	1	2	3	4	5	6	7	8	9	10	11	12	WIDTH (INCHES)
22	1.250	1.187	1.125	1.062	1.000	.938	.875	.812	.750	.687	.625	.562	.500	.437	22
24	1.364	1.295	1.227	1.159	1.091	1.023	.955	.886	.812	.750	.682	.614	.545	.477	24
26	—	—	1.329	1.256	1.182	1.108	1.034	.960	.886	.812	.739	.665	.591	.517	26
28	—	—	—	1.352	1.273	1.193	1.114	1.034	.955	.875	.795	.716	.636	.557	28
30	—	—	—	1.449	1.364	1.278	1.193	1.108	1.023	.937	.852	.767	.682	.597	30
32	—	—	—	1.545	1.455	1.364	1.273	1.182	1.091	1.000	.909	.818	.727	.636	32
36	—	—	—	1.739	1.636	1.534	1.432	1.330	1.227	1.125	1.023	.920	.818	.716	36
38	—	—	—	1.835	1.727	1.619	1.511	1.403	1.295	1.187	1.080	.972	.864	.756	38
40	—	—	—	1.932	1.818	1.705	1.591	1.477	1.364	1.250	1.136	1.023	.909	.795	40
42	—	—	—	2.028	1.909	1.790	1.670	1.551	1.432	1.312	1.192	1.074	.955	.835	42
44	—	—	—	2.125	2.000	1.875	1.750	1.625	1.500	1.375	1.250	1.125	1.000	.875	44
48	—	—	—	2.318	2.182	2.045	1.909	1.773	1.636	1.500	1.364	1.227	1.091	.955	48
50	—	—	—	2.415	2.273	2.131	1.989	1.847	1.705	1.562	1.420	1.278	1.136	.994	50
54	—	—	—	2.608	2.455	2.301	2.148	1.994	1.841	1.687	1.534	1.381	1.227	1.074	54
60	—	—	—	2.898	2.727	2.557	2.386	2.216	2.045	1.875	1.705	1.534	1.364	1.193	60
66	—	—	—	3.187	3.000	2.812	2.625	2.437	2.250	2.062	1.875	1.687	1.500	1.312	66
72	—	—	—	3.477	3.273	3.068	2.864	2.659	2.455	2.250	2.045	1.841	1.636	1.432	72
84	—	—	—	4.067	3.818	3.580	3.341	3.102	2.864	2.625	2.386	2.148	1.909	1.670	84
90	—	—	—	—	—	—	—	—	—	—	—	—	—	1.790	90
96	—	—	—	4.636	4.364	4.091	3.818	3.545	3.273	3.000	2.727	2.455	2.182	1.909	96
102	—	—	—	—	—	4.350	—	3.770	—	—	—	2.610	—	2.028	102
108	—	—	—	5.216	4.909	4.602	4.295	3.989	3.682	3.375	3.068	2.761	2.455	2.148	108
112	—	—	—	—	—	4.772	—	3.852	—	—	—	—	—	—	112
120	—	—	—	5.796	5.455	5.114	4.773	4.432	4.091	3.750	3.409	3.068	2.727	2.386	120
132	—	—	—	6.000	6.000	5.624	5.250	4.874	4.500	4.124	3.750	3.374	3.000	2.624	132
144	—	—	—	6.954	6.546	6.136	5.728	5.318	4.910	4.500	4.090	3.682	3.273	2.864	144

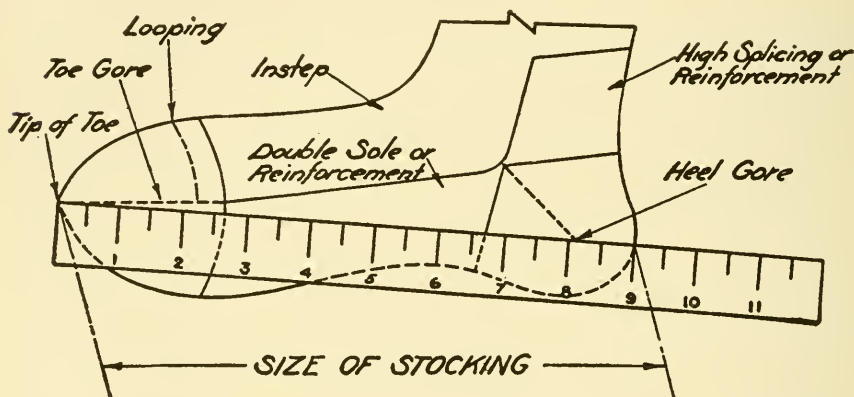
"The numbers in Roman type represent *regular* fabrics; all others, including widths intermediate to those listed, are specials. Only the list of *regular* numbers and widths to be carried in stock. Specials will be made up on order only in units of not less than 500 yards; and as far as possible the manufacture of specials will be restricted to units of 1,500 yards as representing the minimum at which operating efficiency is obtainable."

Standard Measurement of Hosiery Sizes

BUREAU OF STANDARDS CIRCULAR No. 149

The method of measuring the size of circular knit hosiery may be defined as follows: After the hose has been boarded and pressed and appears in a flat and unwrinkled condition, place a ruler along a line in which the tip of the toe and the bottom of the heel gore are connected. The measured distance along this line from the tip of toe to the intersection with the back of the heel to the nearest half inch is the hosiery size. Preference should be given to the lower number; that is, if the exact measurement, as found by the system, is $10\frac{1}{4}$ inches exactly, it is desirable to call the stocking size 10.

Diagram showing application of ruler between the points selected, denoting size.



Approved method for measuring hosiery

This diagram shows the application of ruler to the hosiery

Standard Size of Bed Blankets

COTTON, WOOL, COTTON AND WOOL MIXED

The following sizes of bed blankets were adopted as standard by the Division of Simplified Practice and representatives of the blanket manufacturers on June 2, 1924:

SIZES IN INCHES			
Width		Length	
54	.	76	66
60	.	76	66
60	.	80	68
60	.	84	70
64	.	76	72
66	.	80	80
			84
			90
			80
			80
			84
			90

Contract Sales Note for Staple Gray Goods

Form approved and adopted by The National Association of Cotton Manufacturers
and American Cotton Manufacturers' Association, 1910

Sold for account of _____ Number _____
To _____
Quantity: _____ yards (variation not to exceed 2 % allowed) } Allowable variation in
pieces of _____ yards each } length of pieces if
bales of _____ yards each } *special*.
In addition, buyer to take { $\frac{\%}{\%}$ Seconds @
and seller to deliver if made: { $\frac{\%}{\%}$ Tailings at stated contract price if con-
tract is not renewed.

Quality: _____

Time of delivery: from date hereof
during each week, commencing week ending _____
during each month, beginning in the month of _____

Width in inches: _____

Count per inch: Warp _____ Filling _____
Weight: { No shipment to average { lighter }
 { No bale to be over 1% { }
 { No piece to be over 3% { heavier } } than _____ Yards to the pound.

Price: _____ Cents per yard.

Terms of payment: _____

Net _____ days from date of delivery.
Net _____ days from date of delivery less _____ % for payment within
_____ days from date of delivery.

Place of delivery: _____

F. O. B. to carrier at _____ with _____ freight allowance.

F. O. B. _____

Special conditions: _____

Shipping instructions: _____

If the production of the seller shall be curtailed during the time above named, by strikes, lockouts, or unavoidable casualties, the deliveries shall be made and accepted in proportion to the production.

The provisions of paragraphs I, II and III, and the allowable variations from specifications as adopted by The American Cotton Manufacturers' Association and The National Association of Cotton Manufacturers, all as printed on the back hereof,¹ are accepted and agreed to as a part of this contract, unless otherwise stated herein.

This sale note is the entire contract between the buyer and seller, and any alteration in or changes from the printed form of this contract must appear on it in writing.

To _____ (Signed)

.....

¹ See following page.

Paragraph I. Passing of Title on Delivery. — Unless otherwise specified, the title to goods sold passes to the buyer (subject to the right of stoppage *in transitu*):—

a. Upon delivery F. O. B. to carrier, consigned to buyer, and thereafter goods are at buyer's risk.

b. Upon arrival of goods at destination and delivery to buyer of bill of lading or of goods, in the case of goods to be delivered F. O. B. elsewhere than to carrier.

c. Upon delivery of indorsed bill of lading or of goods, in the case of goods consigned to seller's order.

d. Upon the separation of the goods and holding subject to buyer's order (the invoice to follow by due course of mail), in the case of goods to be held or if buyer fails to give shipping instructions.

Paragraph II. Storage and Insurance. — Goods invoiced and held subject to buyer's orders shall be at buyer's risk, but covered by fire insurance effected by sellers in reputable companies.

Paragraph III. Rejections and Claims. — The buyer cannot reject the goods for delay in delivery unless he notifies the seller within five business days from receipt of bill of lading, or of invoice if goods are to be held. When contract calls for delivery in instalments, the buyer cannot cancel the contract for any default in any one or more instalments not amounting to a substantial breach of contract, but may cancel or replace at seller's expense any delivery that is delayed.

Buyer cannot reject goods for defects in quality or other like defaults (a) if he cuts or converts them, nor (b) unless he notifies seller within ninety days from receipt by him or at finishing works of goods not held, or within ninety days after date of invoice if goods are invoiced and held; nor (c) unless such defects amount to a substantial breach of contract.

Loss of right to reject does not deprive the buyer of his right to claim damages, if any; but no recovery shall be had on any claim not made within one year from receipt of goods or from date of invoice if goods are held.

Allowable Variations from Contract Specifications.

Width. — The width shall not vary anywhere by more than $\frac{3}{8}$ of an inch below the stipulated width, nor more than $\frac{5}{8}$ of an inch above. The width shall not be uniformly less than the stipulated width, but must, in a majority of places in each piece, be equal to, or greater than, the stipulated width. Goods shall be measured at right angles to the selvages when laid open on a flat, horizontal surface and smoothed out by hand, but not stretched.

Warp Count. — Except within four inches of each selvage, (where exclusive of the selvage, the count must approximate that stipulated) the number of warp threads per inch shall not vary anywhere by more than one thread per inch below the stipulated count, nor by more than two threads per inch above. The number of threads in each piece must equal the stipulated count multiplied by the stipulated width plus the extra threads used in the selvage.

Filling Count. — The number of threads in the filling, or weft, shall not vary anywhere by more than three threads per inch below the stipulated count, nor by more than four above. In the case of sateens, when the count of filling exceeds the count of the warp, the allowance for variation above specified shall be increased by the same percentage that the filling count exceeds that of the warp count. In any case including sateens, the filling count per inch shall not run below the stipulated count throughout the piece, but must, in a majority of places in each piece, equal or be more than, the stipulated count.

Weight. — In case of controversy regarding the weight of goods, decision shall be based on goods which have been exposed for twenty-four hours to normal atmospheric conditions approximating a temperature of 70 degrees F. and a humidity of 70 per cent.

Identification of Rayons (Artificial Silks)

MICROSCOPICAL METHODS

The individual manufacturer, as well as the process by which rayon or artificial fibers are made, can be determined from a comparison of the cross-sections of the yarn in question with photomicrographs of standard samples. The photomicrographs on page 265 give an illustration of the difference in appearance of the fibers manufactured by the different companies.

CHEMICAL METHODS

(Committee D-13 American Society for Testing Materials)

To distinguish cellulose acetate from all other rayons:

(a) Twist fibers into a tight wad and then cautiously approach to a match flame, without being brought into contact with the flame.

Cellulose acetate rayons melt or fuse, forming a black knob, or globule, on the end, which precedes the small, sputtering, relatively slow-burning flame down the thread. If the flame be extinguished and the knob cooled, this will be found to be somewhat hard and resistant to crushing.

Nitro-cellulose, cuprammonium and viscose rayons do not melt back but burn quietly and readily like bleached cotton fibers, and the odor from the fumes is the same as that coming from burned cotton.

(b) Treat the sample with pure acetone.

Cellulose acetate rayon is soluble up to 1 per cent, while nitro-cellulose, cuprammonium and viscose rayons are insoluble.

(c) Dissolve in glacial acetic acid (water white).

Cellulose acetate rayon dissolves; on adding water, precipitates as milky unstable emulsion or translucent glutinous material.

Nitro-cellulose, cuprammonium and viscose rayons are all insoluble.

To distinguish nitro-cellulose rayons from viscose and cuprammonium rayons:

Treat the water-moistened yarn with a 1 per cent solution of diphenylamine in concentrated sulphuric acid (specific gravity 1.84).

Nitro cellulose rayon immediately assumes a blue color and dissolves in a few seconds, yielding a blue coloration.

Cuprammonium and viscose rayons are not colored blue.

To distinguish cuprammonium rayons from viscose rayons:

Prepare a bath containing 1 per cent of the sample weight of Pontamine Scarlet B or equivalent colors, using one-half gram per 200 cc. of water. Immerse samples into liquor simultaneously, heating to 65° C. for ten minutes. The samples may then be washed thoroughly and compared wet or dry.

The cuprammonium rayons stain heavier and the viscose rayons lighter.

Place 5 grams of the unknown sample of rayon (viscose or cuprammonium) together with 100 cc. of water and 3 cc. of concentrated sulphuric acid, in a flask, the mouth of which is covered with a piece of filter paper saturated with a 10 per cent solution lead acetate, then place the flask over a moderately boiling steam bath for four hours. If at the end of this period the exposed part of the lead acetate paper becomes stained with a brown or black color, the rayon is viscose rayon; if no coloration is obtained the sample is cuprammonium rayon.

Width of Some Standard Fabrics

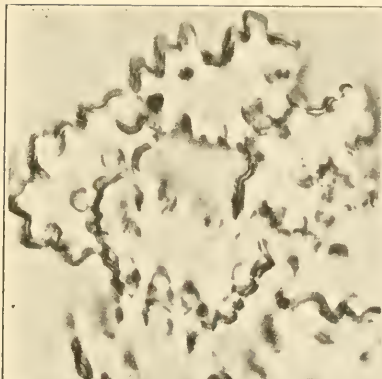
The following is a list of the widths on which the weight of the fabrics listed are based:

	Inches
Single and double filling ducks	29
Enameling ducks	38, 46½, 51½, 61½, 63
Army ducks	28½
Shelter tent duck	35¼
Shoe duck	37
Tire duck	36
Hose duck	40
Rubber belt duck	42
Balata belt duck	36
Oil or stitched belt duck	36
Numbered duck (American)	22
Numbered duck (English)	24
Mitten flannels	33
Ticking	32
Osnaburg	30

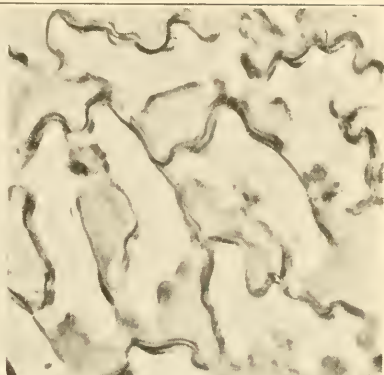
Artificial Fiber Cross-Sections

[Magnification 500]

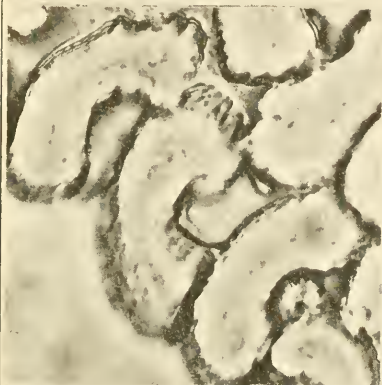
Courtesy of The Cotton Research Company



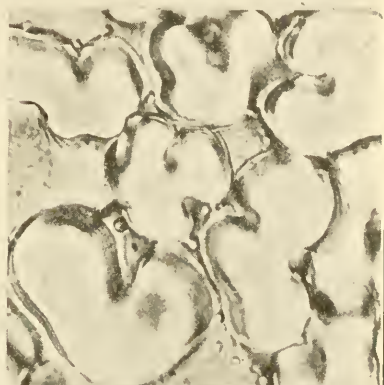
Viscose Process



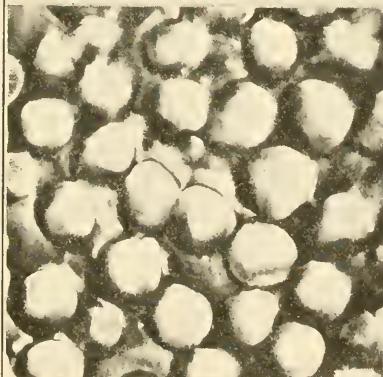
Viscose Process



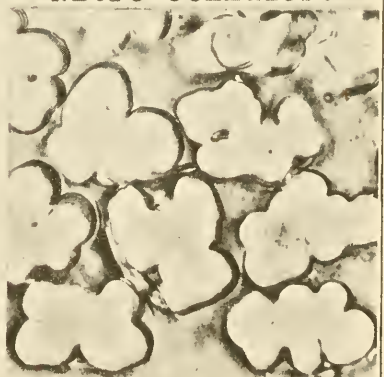
Viscose Process



Nitro-Cellulose



Cuprammonium Process



Acetate Process

Thrown Silk Rules to govern Transactions between Buyers and Sellers in the United States of America

Taken from Rules published by the Silk Association of America

ARTICLE I

General

SECTION 1. Nothing in the following rules shall be construed as waiving the right in individual transactions to make any special contrary agreement, but the rules shall govern in cases where no such special contract exists. . . .

ARTICLE II

Sales

SECTION 1. Sales of specified or identifiable lots of thrown silk, either from stock or for future delivery are cancelled by destruction or loss of such silks by fire, flood or any other causes beyond control of Seller, prior to delivery dates as called for by the contract. . . .

ARTICLE III

Deliveries

SECTION 1. Sales for delivery on a given date, demand delivery on the date specified. . . .

ARTICLE IV

Weights

SECTION 1. In the absence of stipulation as to weight, invoice weight at time of delivery or readiness to deliver at point of shipment shall apply, provided the weight does not exceed conditioned weight on European silks, conditioned weight plus 2% on all other silks, except Tsatlee Rereels, Haining Rereels, Native China Rereels, and other similar silks, which shall be conditioned weight plus $2\frac{1}{2}\%$

ARTICLE V

Boil-Off

SECTION 1. Boil-off percentage stipulations on all kinds of thrown silk are entirely a matter of mutual agreement between Buyer and Seller. . . .

ARTICLE VI

Twist

SECTION 1. In the absence of any twist stipulations, the following turns per inch shall govern all sales of thrown silks made from 13/15 and/or 14/16 denier raw silk:

2-thread Organzine, 16 first time, 14 second time	
3-thread Organzine, 16 first time, 12 second time	
Tram	$2\frac{1}{2}$ to $3\frac{1}{2}$
2-thread Georgette Crêpe	65 to 70
Ordinary Crêpes	60 to 65

In the case of all other classes of thrown silk, the twist must be stipulated in contract. . . .

ARTICLE VII

Drammage

SECTION 1. In case of stipulated drammage, the variation above or below the average stated must not exceed 3%. In the case of silks like Tsatlee Rereels, Haining Rereels, Tussah and other similar grades, variation must be by special agreement between Buyer and Seller. . . .

ARTICLE VIII

Length of Skeins

SECTION 1. In the absence of stated length of skeins, the following will apply:

2-thread Organzine	. . .	20,000 yards
3-thread Organzine	. . .	10,000 yards
2-thread Tram	. . .	15,000 yards
3-thread Tram	. . .	10,000 yards
4-thread Tram	. . .	7,500 yards
5-thread Tram	. . .	5,000 yards

The above lengths will apply on thrown silk made from 13/15 and/or 14/16 denier, European, Japan, Canton and China Filature Silks only. On all other grades of thrown silk delivered in skeins, the length is optional with Seller unless stipulated in contract. . . .

ARTICLE IX

Responsibility of Buyer and Seller

SECTION 1. The Seller is under obligation to deliver thrown silks of contract quality, size, weight, etc., as defined in these rules. The Buyer is equally under obligation to examine and test the silk received or tendered for delivery under contract and promptly pass upon its quality, size, weight, etc., and its compliance with the contract. . . .

ARTICLE X

Selling Terms

SECTION 1. The rate of discount on thrown silk is 6 per cent per annum. . . .

ARTICLE XI

General Terms

SECTION 1. All prices are understood to be F. O. B. Seller's shipping point. . . .



OFFICERS AND MEMBERS OF THE ASSOCIATION

OFFICERS OF THE ASSOCIATION FROM THE FIRST ORGANIZATION

PRESIDENTS

EZEKIEL A. STRAW	. 1865-78	DAVID M. THOMPSON	. 1900-01
AMOS D. LOCKWOOD	. 1878-80	CHARLES H. FISH	. 1901-03
JOHN KILBURN	. 1880-83	HERBERT E. WALMSLEY	1903-05
WILLIAM C. LOVERING	. 1883-85	JAMES R. MACCOLL	. 1905-07
RICHARD GARSED	. 1885-86	WM. D. HARTSHORNE	. 1907-08
JOSEPH S. LUDLAM	. 1886-88	CHARLES T. PLUNKETT	1908-10
HENRY F. LIPPITT	. 1888-89	FRANKLIN W. HOBBS	. 1910-12
WALTER E. PARKER	. 1889-92	EDWIN F. GREENE	. 1912-14
ROBERT MCARTHUR	. 1892-94	ALBERT G. DUNCAN	. 1914-16
EDWARD W. THOMAS	. 1894-95	ALBERT FARWELL BEMIS	1916-18
ALFRED M. GOODALE	. 1895-96	W. FRANK SHOVE	. 1918-20
ARTHUR H. LOWE	. 1896-97	RUSSELL B. LOWE	. 1920-22
RUSSELL W. EATON	. 1897-98	ROBERT AMORY	. 1922-24
STEPHEN A. KNIGHT	. 1898-99	MORGAN BUTLER	. 1924-25
FREDERICK E. CLARKE	1899-99	WILLIAM B. MACCOLL	1925-

VICE PRESIDENTS

WILLIAM A. BURKE	. 1865-73	ALFRED E. ADAMS	. 1902-03
AMOS D. LOCKWOOD	. 1865-77	JAMES R. MACCOLL	. 1903-05
JOHN C. PALFREY	. 1873-76	WM. D. HARTSHORNE	. 1903-07
EDWARD ATKINSON	. 1876-78	GEORGE A. AYER	. 1905-07
A. G. CUMNOCK	. 1877-80	CHARLES T. PLUNKETT	1907-08
CHARLES NOURSE	. 1878-81	GEORGE OTIS DRAPER	. 1907-11
WILLIAM F. GOULDING	. 1880-83	FRANKLIN W. HOBBS	. 1908-10
RICHARD GARSED	. 1881-85	EDWIN F. GREENE	. 1910-12
JOSEPH S. LUDLAM	. 1883-86	FREDERICK A. FLATHER	1911-13
WALTER E. PARKER	. 1885-89	GEORGE P. GRANT, Jr.	1912-14
RICHARD B. BORDEN	. 1886-88	ALBERT G. DUNCAN	. 1913-14
ARNOLD B. SANFORD	. 1888-91	WILLIAM M. BUTLER	. 1914-16
ROBERT MCARTHUR	. 1889-92	GROSVENOR ELY	. 1914-16
SIMEON B. CHASE	. 1891-93	W. FRANK SHOVE	. 1916-18
EDWARD W. THOMAS	. 1892-94	RUSSELL B. LOWE	. 1916-20
ALFRED M. GOODALE	. 1893-95	JAMES THOMSON	. 1918-22
WILLIAM J. KENT	. 1894-97	ROBERT AMORY	. 1920-22
FRED C. McDUFFIE	. 1895-00	NATHAN DUFFEE	. 1922-24
HENRY T. WHITIN	. 1897-00	JOHN SKINNER	. 1922-24
CHAS. H. RICHARDSON	. 1900-01	RUSSELL H. LEONARD	. 1924-
GEORGE H. HILLS	. 1900-02	JOHN A. SWEETSER	. 1924-
HERBERT E. WALMSLEY	1901-03		

DIRECTORS

DANIEL D. CROMBIE .	1865-68	RUSSELL W. EATON .	1896-97
JONES S. DAVIS .	1865-69	GEORGE H. HILLS .	1897-00
WILLIAM P. HAINES .	1865-69	CHAS. H. RICHARDSON .	1897-00
PHINEAS ADAMS .	1865-74	JOHN T. MEATS .	1898-01
THOMAS J. BORDEN .	1865-78	GEORGE F. WHITTEN .	1898-04
CHARLES NOURSE .	1865-78	ALFRED E. ADAMS .	1899-02
A. M. WADE .	1868-69	A. TENNY WHITE .	1899-02
DAVID J. JOHNSTON .	1869-70	CHARLES H. FISH .	1900-01
FREDERICK E. CLARKE .	1869-75	HERBERT E. WALMSLEY .	1900-01
A. G. CUMNOCK .	1869-77	WM. D. HARTSHORNE .	1901-03
JOHN KILBURN .	1870-80	JAMES R. MACCOLL .	1901-03
WILLIAM P. HAINES .	1874-78	W. B. SMITH WHALEY .	1901-04
CYRUS I. BARKER .	1875-80	JAMES R. MONTGOMERY .	1902-05
HERVEY KENT .	1877-81	WM. D. PENNELL .	1902-05
WALTER PAINE, 3d .	1878-80	PHILIP A. MATHEWSON .	1903-06
DAVID J. JOHNSTON .	1878-82	GEORGE P. GRANT, Jr. .	1903-12
CHAS. L. LOVERING .	1878-83	GEORGE A. AYER .	1904-05
RICHARD Garsed .	1880-81	C. P. BROOKS .	1904-07
WILLIAM H. JENNINGS .	1880-83	CHARLES T. PLUNKETT .	1905-07
JOHN W. DANIELSON .	1881-85	ROSCOE S. MILLIKEN .	1905-08
WALTER E. PARKER .	1881-85	WILLIAM H. LOFTUS .	1905-10
WILLIAM E. BARROWS .	1882-83	GEORGE OTIS DRAPER .	1906-07
CHAS. D. McDUFFIE .	1883-83	FRANKLIN W. HOBBS .	1906-08
RICHARD B. BORDEN .	1883-86	HENRY F. MANSFIELD .	1906-10
RUFUS A. MAXFIELD .	1883-86	ROBERT BEATTY .	1906-11
GEORGE W. WEEKS .	1883-86	EDWIN F. GREENE .	1907-10
HENRY S. HOWE .	1883-87	JOHN W. KNOWLES .	1907-10
HENRY F. LIPPITT .	1885-88	FREDERICK A. FLATHER .	1907-11
O. S. BROWN .	1885-91	JOSEPH MERRIAM .	1908-11
WILBUR A. STILES .	1886-88	DAVID S. JOHNSTON .	1908-12
ROBERT McARTHUR .	1886-89	FREDERICK B. MACY .	1910-14
STEPHEN N. BOURNE .	1886-91	ALBERT FARWELL BEMIS .	1910-16
S. S. SPENCER .	1887-90	RUSSELL B. LOWE .	1910-16
EDWARD W. THOMAS .	1888-92	R. M. MILLER, Jr. .	1910-17
WILLIAM W. WHITIN .	1888-93	WILLIAM AMORY .	1911-14
ROBERT R. SMITH .	1889-92	W. FRANK SHOVE .	1911-16
ALFRED M. GOODALE .	1890-93	WILLIAM N. KIMBALL .	1911-17
HERMAN F. STRAW .	1891-93	ALBERT G. DUNCAN .	1912-13
WILLIAM J. KENT .	1891-94	WILLIAM M. BUTLER .	1912-14
FRED C. McDUFFIE .	1892-95	GROSVENOR ELY .	1913-14
GEORGE W. BEAN .	1892-95	WILLIAM A. MITCHELL .	1914-17
FRANK M. MESSENGER .	1893-95	ALEXANDER MAKEPEACE .	1914-18
ALBERT F. KNIGHT .	1893-99	JOHN SULLIVAN .	1914-18
ARTHUR H. LOWE .	1894-96	PHILIP DANA .	1914-20
HENRY T. WHITIN .	1894-97	HERBERT LYMAN .	1916-19
HERBERT L. PRATT .	1895-98	P. Y. DeNORMANDIE .	1916-19
STEPHEN A. KNIGHT .	1895-98	JOHN E. ROUSMANIERE .	1916-22
JOHN ECCLES .	1895-99	WILLIAM B. MACCOLL .	1917-18

THOMAS H. RENNIE .	1917-19	B. H. BRISTOW DRAPER	1922-24
CHARLES L. GILLILAND	1917-20	JOHN A. PERKINS .	1922-
ALBERT BLUM .	1918-20	JAMES THOMSON .	1922-25
FREDERICK L. JENCKES	1918-21	ARTHUR R. DICKINSON	1923-25
JOHN SKINNER .	1918-22	R. H. I. GODDARD .	1923-25
J. ARTHUR ATWOOD .	1918-24	RUSSELL H. LEONARD .	1923-24
CHARLES B. CHASE .	1918-23	JOHN A. SWEETSER .	1923-24
LEWIS DEXTER .	1918-23	ANDREW S. WEBB .	1923-26
GROSVENOR ELY .	1918-23	C. F. BROUGHTON .	1923-
CHARLES M. HOLMES .	1918-24	ALBERT G. MASON .	1924-26
WILLIAM L. LYALL .	1918-23	W. S. PEPPERELL .	1924-
JOHN E. McLOUGHLIN	1919-22	W. IRVING BULLARD .	1924-
MORGAN BUTLER .	1919-24	JOHN L. BURTON .	1924-
A. W. DIMICK .	1919-24	JOHN S. LAWRENCE .	1924-
NATHAN DUFFEE .	1920-22	JAMES SINCLAIR .	1924-
SAMUEL STEWART .	1920-23	E. KENT SWIFT .	1924-
E. KENT SWIFT .	1920-23	WILLIAM B. MACCOLL .	1925-25
ALLEN F. JOHNSON .	1921-22	S. HAROLD GREENE .	1925-
ALFRED E. COLBY .	1922-	JAMES O. THOMPSON, Jr.	1925-
PHILIP DANA .	1922-	DEXTER STEVENS .	1925-

AUDITORS

BENJAMIN SAUNDERS .	1865-71	C. E. ROBERTS .	1900-16
JOHN C. PALFREY .	1871-73	BOYDEN & STEACIE .	1916-19
HENRY D. SULLIVAN .	1873-82	F. W. LAFRENTZ & Co.	1919-
J. HERBERT SAWYER .	1882-00		

SECRETARY AND TREASURER

AMBROSE EASTMAN .	1865-94	C. J. H. WOODBURY .	1894-15
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SECRETARY

TREASURER

C. J. H. WOODBURY .	1915-16	CHARLES H. FISH .	1915-16
---------------------	---------	-------------------	---------

SECRETARY AND TREASURER

CHARLES H. FISH, 1916-17

SECRETARY

TREASURER

RUFUS R. WILSON .	1917-21	HERBERT LYMAN .	1917-18
HARRY C. MESERVE .	1921-25	W. IRVING BULLARD .	1918-
RUSSELL T. FISHER .	1925-		

ALPHABETICAL LIST OF MEMBERS
ACTIVE, ASSOCIATE, HONORARY, LIFE, SUSTAINING,
SUSTAINING REPRESENTATIVES AND TECHNICAL
AS OF JULY 1, 1927

	Ac. — Active As. — Associate Hon. — Honorary L. — Life	Tech. — Technical Sus. — Sustaining S.R. — Sustaining Representative	Elected
Abercrombie, James H. "Rutland," Dorking Rd., Reigate, Surrey, Eng.	Ac.		Apr. 25, 1907
Aberfoyle Mfg. Co. Charles L. Gilliland, Treas., 1530 Bankers Trust Bldg., Philadelphia, Pa.		Sus.	May 22, 1917
Acushnet Mill Corp. Robert A. Bartlett, Treas., New Bedford, Mass.		Sus.	Nov. 21, 1918
Adam, Alexander E. Mgr. Canadian Cottons, Ltd., 429 James St., Hamilton, Ontario, Canada.	Ac.		Apr. 30, 1909
Adams, George B. Treas. Adams Brothers Mfg. Co., Adams, Mass.	Ac.		Apr. 30, 1909
Adams, Henry Shaw Sec.-Treas. The Springstein Mills, P. O. Box 442, Chester, S. C.	Ac.		Oct. 4, 1907
Adams, Robert J. Pres. Adams Mfg. Co., 31-33 East 32d St., New York City.	Ac.		Oct. 18, 1923
Aldrich Brothers Co. Charles T. Aldrich, Treas., P.O. Box 1134, Providence, R. I.		Sus.	Jan. 24, 1919
Aldrich, Charles T. Treas. Aldrich Brothers Co., P. O. Box 1134, Providence, R. I.	Ac.		Apr. 28, 1886
Algeo, Bradley C. Philadelphia Textile School, 320 So. Broad St., Philadelphia, Pa.	Ac.		Sept. 21, 1905
Algonquin Printing Co. William H. Jennings, Treas., Fall River, Mass.		Sus.	Nov. 1, 1918
Allen, Fred Asst. Mgr. The Textile Development Co., 80 Federal St., Boston, Mass.	Ac.		June 5, 1925
Allen, G. Bion Managing Director J. & P. Coats (R. I.), Inc., 117 Mulberry St., Pawtucket, R. I.	Ac.		Apr. 27, 1905
Allen, John E. The Textile Development Co., 80 Federal St., Boston, Mass.		Tech.	Apr. 16, 1926
Allen, Lewis F. Treas. Dinsmore Mfg. Co., Salem, Mass.	As.		Apr. 28, 1910
Allen, Warner M. Parkhill Division, Amoskeag Mfg. Co., Fitchburg, Mass.		S.R.	May 11, 1917
Almy, John T. Treas. Totokett Mfg. Co., Norwich, Conn.	Ac.		Apr. 28, 1910
American Mfg. Co. Francis Lynch, Agent, Victory Mills, N. Y.		Sus.	Nov. 1, 1917

		Elected	
American Printing Co.	Nathan Durfee, Asst. Treas., Fall River, Mass.	Sus.	Jan. 7, 1918
Ames, Allan W.	Bankers Trust Co., 16 Wall St., New York City.	As.	May 1, 1924
Ames, John Ormsbee	Goddard Brothers, 50 So. Main St., Providence, R. I.	{ L.	Sept. 21, 1900
			Sept. 21, 1905
Amory, Browne & Co.	Robert Amory, 48 Franklin St., Boston, Mass.	Sus.	Sept. 18, 1917
Amory, Frederick	Nashua Mfg. Co., 48 Franklin St., Boston, Mass.	S.R.	Aug. 11, 1917
Amory, Robert	Amory, Browne & Co., 48 Franklin St., Boston, Mass.	S.R.	Sept. 18, 1917
Anderson, Clayton & Co.	T. A. Davis, 45 Franklin St., Boston, Mass.	Sus.	June 1, 1923
Anderson, Thomas T.	Treas. Solway Dyeing & Textile Company, Pawtucket, R. I.	Ac.	Apr. 16, 1926
Anderson, Will B.	Mgr. Barber-Colman Co., Framingham, Mass.	As.	May 3, 1918
Anderson, William D.	Pres. Bibb Mfg. Co., Macon, Ga.	Ac.	Apr. 29, 1915
Andres, Eugen C.,	Eugen C. Andres Co., 20 Central St., Boston, Mass.	As.	Oct. 18, 1900
Andres, Frederick H.	Treas. Frederick H. Andres, Inc., 45 Milk St., Boston, Mass.	As.	Sept. 30, 1914
Andrews, Harold B.	J. P. Rhodes Company, 24 N. Main St., Providence, R. I.	As.	Apr. 16, 1926
Androscoggin Mills	Chas. E. Inches, Treas., 77 Franklin St., Boston, Mass.	Sus.	July 23, 1917
Appleton, William C., Jr.	The Viscose Company, 1017 Hospital Trust Bldg., Providence, R. I.	As.	June 14, 1926
Arkwright Mills	J. Edward Newton, Treas., Fall River, Mass.	Sus.	Sept. 10, 1918
Armitage, Joshua D.	Taylor, Armitage & Eagles, Inc., 120 Broadway, New York City.	Ac.	Apr. 26, 1906
Arnold, E. H.	Asst. Treas. Greylock Mills, North Adams, Mass.	Ac.	May 4, 1920
Ashland Cotton Co.	Grosvenor Ely, Pres., Norwich, Conn.	Sus.	May 12, 1917
Ashley, Charles S., Jr.	Charles S. Ashley & Sons, 11-15 North Sixth St., New Bedford, Mass.	As.	June 2, 1922
Ashworth, Henry	Ashworth Brothers, Inc., P. O. Box 776, Fall River, Mass.	As.	Apr. 28, 1897
Aspden, Thomas	Canadian-Connecticut Cotton Mills, Sherbrooke, Quebec, Can.	As.	May 5, 1922
Atkinson, E. W.	Atkinson, Haserick & Co., 152 Congress St., Boston, Mass.	Ac.	Oct. 27, 1886
Atteaux, Frederick E.	Pres. Frederick E. Atteaux & Co., Inc., 176 Purchase St., Boston, Mass.	As.	Apr. 26, 1917
Atwood, J. Arthur	Treas. Ponemah Mills, 930 Hospital Trust Bldg., Providence, R. I.	Ac.	Oct. 28, 1891

		Elected
Ayer, Frederick	Pres. Tremont & Suffolk Mills, 141 Milk St., Boston, Mass.	Ac. May 1, 1924
Ayer, George A.	3 Morgan Ter., New Bedford, Mass.	Ac. Apr. 24, 1895
Ayer, Nathaniel F.	Treas. Nyanza Mills, 77 Franklin St., Boston, Mass.	Ac. Apr. 25, 1901
Babcock, Frederick L.	Editor, The Wade Publishing Co., Cambridge, Mass.	S.R. Apr. 6, 1922
Baetjer, Howard	Pres. Mt. Vernon-Woodberry Mills, 506 Continental Bldg., Baltimore, Md.	Ac. May 3, 1918
Bailey, C. E.	Manager, Franklin Weaving Company, Box 94, Franklin, Mass.	Ac. Apr. 6, 1925
Bailey, Harry L.	Wellington, Sears & Co., 93 Franklin St., Boston, Mass.	Ac. Oct. 2, 1913
Bailey, Joseph W.	Agt. Booth Mill, New Bedford, Mass.	Ac. Apr. 23, 1903
Baldwin, James	Asst. to Treas. Lorraine Mfg. Company, Pawtucket, R. I.	As. June 14, 1926
Baldwin, Luther C.	Pres. U. S. Bobbin & Shuttle Co., 57 Eddy St., Providence, R. I.	As. Sept. 17, 1910
Ballard, Joseph W.	Treas. Griswoldville Mfg. Co., Griswoldville, Mass.	S.R. Jan. 21, 1918
Ballard, Walter C.	Treas. Katama Mills, 78 Chauncy St., Boston, Mass.	Ac. Oct. 20, 1917
Ballou, Roland H.	Vice Pres. Connecticut Mills Co., 736 Hospital Trust Bldg., Providence, R. I.	Ac. Sept. 16, 1916
Balmer, John T.	Supt. Merchants Mfg. Company, Fall River, Mass.	Ac. June 5, 1925
Bancroft, John, Jr.	Sales Mgr. Joseph Bancroft Sons Co., 320 Broadway, New York City.	Ac. Aug. 3, 1921
Bannon, John F.	Pres. Mansfield Bleachery, Barrowsville, Mass.	Ac. May 3, 1918
Barber-Colman Co.	Howard D. Colman, Pres., Rockford, Ill.	Sus. Sept. 10, 1917
Barnard Mfg. Co.	J. Edward Newton, Treas., Fall River, Mass.	Sus. Nov. 1, 1918
Barnes, Joel M.	Barnes Textile Service Co., 101 Milk St., Boston, Mass.	As. Sept. 29, 1911
Barnum, George S.	Pres. & Treas. The Bigelow Co., New Haven, Conn.	As. Apr. 24, 1895
Barnwell, Elliot H.	Pres. Barnwell & Co., 313 Ohio Bldg., Akron, Ohio.	Ac. May 3, 1918
Barr, Walwin	6 Odell St., Yonkers, New York.	As. Apr. 30, 1914
Barrell, William L.	Treas. Lawrence Duck Co., Lawrence, Mass.	Ac. Apr. 28, 1910
Barrett, D. Emerson	Treas. Maverick Mills, 144 Addison St., East Boston, Mass.	Ac. Nov. 23, 1925

		Elected	
Barrows, Allan	420 Acushnet Ave., New Bedford, Mass.	Ac.	July 15, 1922
Bartlett, Edwin N.	Pres. The Edwin Bartlett Co., North Oxford, Mass.	Ac.	Apr. 29, 1891
Bartlett, Robert A.	Treas. Acushnet Mill Corp., New Bedford, Mass.	S.R.	Nov. 21, 1918
Bassett, C. C. Jr.	The Viscose Company, 171 Madison Ave., New York City.	S.R.	Jan. 17, 1927
Batchelder, Nelson A.	Empire Cotton Mills, Ltd., Welland, Ontario, Canada.	Ac.	Sept. 30, 1914
Bates, Daniel Moore	Vice Pres. Day & Zimmermann, Inc., 1600 Walnut St., Philadelphia, Pa.	Ac.	Apr. 27, 1898
Bates Mfg. Co.	H. deForest Lockwood, Treas., 60 Congress St., Boston, Mass.	Sus.	Sept. 18, 1917
Bauldry, Lyman C.	Dept. Mgr. The Pairpoint Corp., New Bedford, Mass.	As.	Apr. 5, 1921
Baylies, Lincoln	Amory, Browne & Co., 48 Franklin St., Boston, Mass.	Ac.	June 14, 1926
Baylies, Walter C.	Amory, Browne & Co., 48 Franklin St., Boston, Mass.	Ac.	Oct. 20, 1917
Beacon Mfg. Co.	Charles D. Owen, Treas., New Bedford, Mass.	Sus.	Nov. 7, 1917
Beal, W. DeFord	Cooper & Brush, Inc., 53 State Street, Boston, Mass.	As.	May 1, 1924
Bean, Frank A.	Asst. Agt. American Mfg. Co., Victory Mills, Victory Mills, N. Y.	Ac.	Apr. 6, 1923
Beaver Mills	Gurry Ellsworth Huggins, Pres., 299 Broadway, New York City.	Sus.	Apr. 9, 1918
Beede, Herbert G.	123 Waterman St., Providence, R. I.	Ac.	May 4, 1920
Belamose Corporation, The	Earle L. Milliken, Treas. & Gen. Mgr., Rocky Hill, Conn.	Sus.	May 13, 1927
Bell, Colin C.	National Vulcanized Fibre Co., Maryland Ave. & Beech St., Wilmington, Del.	As.	Apr. 29, 1896
Belland, Harry D.	Supt. Dominion Textile Co., Ltd., Dominion Cottons Branch, Kings Pk., Verdun, Quebec, Can.	Ac.	Mar. 7, 1924
Bemis, Albert Farwell	Chairman, Bemis Bro. Bag Co., 40 Central St., Boston, Mass.	{ L.	Apr. 23, 1903 Apr. 13, 1911
Bemis Bro. Bag Co.	George N. Roberts, Vice Pres., 40 Central St., Boston, Mass.	Sus.	June 6, 1917
Benjamin, Edward B.	Treas. E. V. Benjamin Co., Maginnis Cotton Mills, New Orleans, La.	Ac.	May 20, 1919
Bennett, E. Howard	American Wool & Cotton Reporter, 530 Atlantic Ave., Boston, Mass.	As.	Apr. 30, 1914
Berkshire Cotton Mfg. Co.	Gilbert T. Thompson, Treas., Adams, Mass.	Sus.	May 12, 1917
Best, Edward H.	Edward H. Best & Co., P. O. Box 2207, Boston, Mass.	As.	Apr. 23, 1903

		Elected
Billings, Dwight B.	Ac.	Oct. 14, 1926
Pacific Mills, 24 Federal St., Boston, Mass.		
Billington, L. A.	Ac.	Apr. 6, 1925
Agent, Fort Dummer Mills, Brattleboro, Vermont.		
Bishop, Frederick H.	As.	Apr. 26, 1900
Universal Winding Co., 95 South St., Boston, Mass.		
Bishop, Robert	Ac.	Apr. 26, 1906
Treas. Robert Bishop Mfg. Co., 157 W. Sixth St., So. Boston, Mass.		
Blake, Charles R.	Ac.	Sept. 21, 1905
19 Harrison St., Taunton, Mass.		
Blake, Edmund E.	As.	Oct. 2, 1902
Saco-Lowell Shops, Biddeford, Me.		
Blake, Francis P.	As.	May 3, 1921
Bay State Belting Co., 349 Congress St., Boston, Mass.		
Blanchard, Fessenden S.	Ac.	Oct. 5, 1920
Asst. to Treas. Pacific Mills, 24 Federal St., Boston, Mass.		
Blum, Albert	S.R.	Feb. 12, 1918
Treas. United Piece Dye Wks., Lodi, N. J.		
Boardman, Richard	Ac.	Sept. 11, 1912
Supt. Osborn Mills, Fall River, Mass.		
Bogert, Theodore P.	As.	Apr. 13, 1911
Sec. Mfrs. Mut. Fire Ins. Co., Providence, R. I.		
Bolinger, John	As.	Dec. 12, 1918
Vice Pres. National Shawmut Bank, Boston, Mass.		
Bolton, Wright, Jr.	Ac.	April 15, 1927
Acushnet Mill Corp., New Bedford, Mass.		
Booth, Joseph W.	Ac.	Apr. 25, 1907
Treas. The George E. Kunhardt Corp., Lawrence, Mass.		
Boott Mills	Sus.	July 17, 1917
Frederick A. Flather, Treas., Lowell, Mass.		
Borden, Bertram H.	Ac.	May 3, 1918
Pres. American Printing Co., P. O. Box 1194, City Hall Sta., New York City.		
Borden, Charles N.	Ac.	Apr. 25, 1907
Treas. Richard Borden Mfg. Co., Fall River, Mass.		
Borden, Jefferson, Jr.	Ac.	May 3, 1918
Fall River Bleachery, Fall River, Mass.		
Borden, Richard Mfg. Co.	Sus.	July 17, 1917
Charles N. Borden, Treas., Fall River, Mass.		
Borden, Spencer, Jr.	Ac.	Apr. 27, 1916
Pres. & Treas. Fall River Bleachery, P. O. Box 1, Fall River, Mass.		
Borden, Sydney H.	Ac.	Sept. 16, 1916
Treas. Durfee Mills, Fall River, Mass.		
Boston Mfg. Co.	Sus.	May 31, 1917
James H. Whitehead, Treas., 48 Franklin St., Boston, Mass.		
Bourne Mills	Sus.	May 1, 1920
George Delano, Treas., Fall River, Mass.		
Boutelle, Eugene G.	As.	July 30, 1926
Lybrand Ross Bros. & Montgomery, 80 Federal St., Boston, Mass.		
Bowen, Amos Miller	As.	Apr. 6, 1923
Treas. U. S. Ring Traveler Co., 159 Aborn St., Providence, R. I.		

		Elected
Bowen, Elmer L.	Ac.	Oct. 29, 1918
Agt. Appleton Co., Lowell, Mass.		
Bowler, Laurence R.	Ac.	June 1, 1923
77 Franklin St., Boston, Mass.		
Bowne, Garrett D., Jr.	As.	Apr. 29, 1911
Westinghouse Elec. & Mfg. Co., 10 High St., Boston, Mass.		
Boyd, George A.	Ac.	May 3, 1920
Treas. Appleton Co., P. O. Box 2284, Boston, Mass.		
Boyd, John Schofield	Ac.	Sept. 23, 1909
John S. Boyd Co., Water St., Williamstown, Mass.		
Boyd, William V.	Ac.	Apr. 26, 1906
Mgr. Canadian Cottons, Ltd., Cornwall, Ontario, Canada.		
Boys, Robert W.	Ac.	June 14, 1926
Supt. Cotton Division, Farr Alpaca Company, Holyoke, Mass.		
Bradbury, James W.	Tech.	Apr. 16, 1926
The Textile Development Co., 80 Federal St., Boston, Mass.		
Bradbury, Thomas	Ac.	May 3, 1918
Supt. Wamsutta Mills, New Bedford, Mass.		
Bradley, Walter H.	Ac.	Apr. 28, 1910
Treas. Hill Mfg. Company, 89 State St., Boston, Mass.		
Bradstreet, Harry S.	As.	Oct. 14, 1926
Harry S. Bradstreet, Inc., 201 Devonshire St., Boston, Mass.		
Brady, Chas. E.	S.R.	Nov. 21, 1918
Treas. Potomska Mills Corp., New Bedford, Mass.		
Brady, Frank A.	Ac.	Oct. 20, 1917
Supt. Stevens Mfg. Co., 914 Rock St., Fall River, Mass.		
Bragdon, Lord & Nagle Co., Inc.	Sus.	Mar. 1, 1918
Henry G. Lord, Pres., 65 Franklin St., Boston, Mass.		
Brayton, Frank L.	Ac.	Nov. 13, 1924
Sales Mgr. Fitchburg Yarn Co., Fitchburg, Mass.		
Brayton, Israel	S.R.	July 30, 1917
Treas. Lincoln Mfg. Co., Fall River, Mass.		
Brierley, Joseph H.	Ac.	Sept. 21, 1905
Wm. H. Lorimer & Sons Co., Ontario and Lawrence Sts., Philadelphia, Pa.		
Briggs, George T.	Ac.	Apr. 24, 1902
Pres. & Gen. Mgr. The Briggs Mfg. Co., Voluntown, Conn.		
Brightman, Donald J.	Ac.	June 1, 1923
Asst. to Mgr. The Ninigret Co., 32 Central Ave., Pawtucket, R. I.		
Brighton Mills	Sus.	July 25, 1917
William L. Lyall, Chairman of Board, Passaic, N. J.		
Broadbent, James T.	Ac.	Apr. 28, 1904
V. P. & Gen. Mgr. Standard Textile Products Co., 320 Broadway, New York City.		
Bromley, Ernest	Ac.	Apr. 28, 1910
Agt. Waypoysset Mfg. Co., P. O. Box 427, Pawtucket, R. I.		
Bromley, Joseph H.	Ac.	Sept. 21, 1905
Pres. Quaker Lace Co., Philadelphia, Pa.		
Brooks, Clarence R.	Ac.	May 13, 1927
Vice Pres. Utica Steam and Mohawk Valley Cotton Mills, Chadwicks, N. Y.		

		Elected	
Broughton, C. F.	Treas. Wamsutta Mills, New Bedford, Mass.	Ac.	Oct. 20, 1917
Brown, Charles N.	Pres. & Treas. The Lincoln Cotton Mill Co., Evansville, Ind.	Ac.	Oct. 29, 1918
Brown, Frederick R.	Sales Mgr. Judson Mills, c/o Hunter Mfg. & Comm. Co., 58 Worth St., New York City.	Ac.	Sept. 21, 1925
Brown, George G.	Treas. The David Brown Co., Foster & Market Sts., Lawrence, Mass.	As.	Dec. 27, 1918
Brown, Henry R.	Supt. Hope & Phenix Mills, 771 Main St., Phenix, R. I.	Ac.	Apr. 28, 1897
Brown, M. R.	Treas. Davol Mills, Fall River, Mass.	S.R.	Aug. 12, 1918
Brown, Stuart F.	Agt. Whitinsville Spinning Ring Co., Whitinsville, Mass.	As.	Mar. 2, 1922
Bryant, Fred C.	Curtis & Marble Machine Co., 151 Fifth Ave., New York City.	As.	May 1, 1924
Buckley, Charles E.	Supt. Gosnold Mills Co., 24 Jenny Lind St., New Bedford, Mass.	Ac.	Apr. 26, 1917
Buckley, William H.	Mfg. Agt. The Baltic Mills Co., Baltic, Conn.	Ac.	Apr. 30, 1909
Bucklin, Harris H.	Asst. Treas. Interlaken Mills, Phenix, R. I.	S.R.	Oct. 29, 1918
Budlong, Frederick R.	Supt. Coventry Co., Anthony, R. I.	Ac.	Apr. 24, 1923
Bullard, W. Irving	80 Federal St., Room 1042, Boston, Mass.	Ac.	Sept. 11, 1912
Bunker, Gordon	H. M. Bunker & Co., 56 Worth St., New York City.	Ac.	Oct. 14, 1926
Burgess, Robert	3 Bradford Court, Newton Centre, Mass.	Ac.	Apr. 27, 1892
Burke, James A.	Agt. Lyman Mills, 74 Front St., Holyoke, Mass.	Ac.	Oct. 29, 1918
Burnham, Alfred H.	P. O. Box 38, Station F, Baltimore, Md.	Ac.	Apr. 26, 1900
Burnham, Hervey	P. O. Box 503, Suncook, N. H.	Ac.	Apr. 27, 1899
Burns, Alfred	Asst. Supt. West Boylston Mfg. Co., Easthampton, Mass.	Ac.	Oct. 29, 1918
Burns, William H.	19 Buckley St., Fall River, Mass.	Jr. Tech.	Jan. 17, 1927
Burton, Harry H.	Supt. Mill B, Nashawena Mills, New Bedford, Mass.	Ac.	June 14, 1926
Burton, John L.	Agt. Nashawena Mills, New Bedford, Mass.	Ac.	Apr. 23, 1903
Butler, Arthur Cecil	Leigh & Butler, 232 Summer St., Boston, Mass.	As.	Apr. 28, 1904
Butler Mill	Morgan Butler, Treas., 77 Franklin St., Boston, Mass.	Sus.	Oct. 6, 1921
Butler, Morgan	Treas. Butler Mill, 77 Franklin St., Boston, Mass.	Ac.	Apr. 30, 1914

		Elected	
Butler, Obadiah	Connecticut Mills Co., Danielson, Conn.	Ac.	Sept. 13, 1906
Butler, William M.	Pres. Butler Mill, 77 Franklin St., Boston, Mass.	Ac.	Apr. 28, 1910
Butterworth, Harry W.	Pres. H. W. Butterworth & Sons Co., York & Cedar Sts., Philadelphia, Pa.	As.	Oct. 28, 1897
Butterworth, H. W., & Sons Co.	Harry W. Butterworth, Pres., Philadelphia, Pa.	Sus.	Sept. 12, 1917
Butterworth, Samuel T.	Agt. The Lawton Mills Corp., Plainfield, Conn.	Ac.	Sept. 21, 1905
Buxton, G. Edward, Jr.	Vice Pres. B. B. & R. Knight, Inc., 715 Hospital Trust Bldg., Providence, R. I.	Ac.	Apr. 24, 1923
Cadwell, William H.	Agt. Nashua Mfg. Co., Jackson Mill, Nashua, N. H.	Ac.	Apr. 26, 1900
California Cotton Mills Co.	J. R. Millar, Gen. Mgr., Oakland, Calif.	Sus.	Feb. 8, 1921
Campbell, N. S.	Treas. National Rhea Co., 1015 Hospital Trust Bldg., Providence, R. I.	Ac.	Apr. 16, 1926
Carpenter, Chester W.	Agt. John Farnum Co., Lancaster, Pa.	Ac.	May 1, 1924
Carpenter, Frank L.	Treas. Davis Mills, Fall River, Mass.	Ac.	May 3, 1918
Carpenter, Lewis M.	Treas. Ashland Cotton Co., Jewett City, Conn.	Ac.	Apr. 7, 1919
Cartledge, Francis J.	Supt. Ipswich Mills, Gloucester, Mass.	Ac.	Nov. 10, 1922
Catterall, John	Agt. New Bedford Spinning Company, New Bedford, Mass.	Ac.	Apr. 16, 1926
Chace, Arnold B.	Treas. Valley Falls Co., Albion, R. I.	Ac.	Apr. 26, 1906
Chace, Benjamin C.	Gen. Mgr. Crown Mfg. Co., Pawtucket, R. I.	Ac.	Sept. 21, 1905
Chace Mills	Wanton Vaughan, Treas., Fall River, Mass.	Sus.	Mar. 18, 1918
Chace, Richard B.	Treas. Shawmut Mills, Fall River, Mass.	S.R.	Dec. 3, 1918
Chapman, Laurance D.	Asst. Treas. Hill & Cutler Co., New Bedford, Mass.	S.R.	Mar. 7, 1924
Chapman, Robert	Pres. Cherew Cotton Mills, Inc., Cherew, S. C.	Ac.	Apr. 13, 1911
Charlton Mills	James Sinclair, Treas., Fall River, Mass.	Sus.	Jan. 14, 1919
Chase, Charles A.	Asst. Mgr. M. P. Dept., General Electric Co., 84 State St., Boston, Mass.	As.	June 2, 1922
Chase, Charles B.	Gen. Mgr. Stevens Mfg. Co., P. O. Box 45, Fall River, Mass.	Ac.	Apr. 17, 1908

		Elected
Chase, Fred L.	F. A. Chase & Co., 253 West Exchange St., Providence, R. I.	As. Mar. 2, 1923
Chase, Simeon B.	Treas. King Philip Mills, Fall River, Mass.	Ac. Apr. 21, 1875
Chicopee Mfg. Corp.	Charles A. McCormick, Treas., Chicopee Falls, Mass.	Sus. Sept. 12, 1917
Chidsey, John T.	Pres. & Treas. The Root Co., Church St., Bristol, Conn.	As. June 15, 1923
Church, B. LeBaron	Sales Mgr. New Bedford Cotton Waste Co., 43 Church St., New Bedford, Mass.	Ac. Nov. 13, 1924
City Mfg. Corp.	John B. Strongman, Treas., New Bedford, Mass.	Sus. July 17, 1917
Clark, Avery B.	Supt. Merrimack Mfg. Co., Lowell, Mass.	Ac. Apr. 27, 1905
Clark, George P.	Pres. Columbia Narrow Fabric Co., Shannock, R. I.	Ac. Apr. 16, 1926
Clayton, William L.	Anderson, Clayton & Co., Houston, Tex.	{ L. June 1, 1923 June 1, 1923
Clement, Alfred	Supt. Dominion Textile Co., Ltd., 1788 Notre Dame St. E., Montreal, Quebec, Can.	Ac. Mar. 7, 1924
Clextion, Thomas J.	Mgr. A. Klipstein & Co., 285 Congress St., Boston, Mass.	As. Sept. 13, 1906
Coates, Wallace B.	Agt. Farwell Bleachery, North Andover, Mass.	Ac. May 3, 1918
Cobb, F. S.	Pres. Seamans & Cobb Thread Co., Hopkinton, Mass.	Ac. June 5, 1925
Cobb, W. C.	Supt. Ware Shoals Mfg. Co., Ware Shoals, S. C.	Ac. Apr. 26, 1906
Coburn, F. G.	Mgr. Sanderson & Porter, New York City.	S.R. Dec. 7, 1923
Coburn, James E.	Agt. Androskoggin Mills, Lewiston, Me.	Ac. Oct. 4, 1907
Coffin, Langdon	Purchasing Agt. Samson Cordage Wks., 144 Bellevue Ave., Newton, Mass.	Ac. Sept. 29, 1911
Coffin, Melvin H.	National Ring Traveler Co., Providence, R. I.	As. Oct. 2, 1902
Coggeshall, John W.	Tillotson Humidifier Co., 78 Fountain St., Providence, R. I.	Ac. Apr. 30, 1909
Colby, Alfred E.	Asst. Treas. Pacific Mills, 24 Federal St., Boston, Mass.	Ac. Apr. 6, 1922
Coleman, Philip F.	Sec. John Farnum Co., Philadelphia, Pa.	S.R. Oct. 5, 1923
Colman, Howard D.	Pres. Barber-Colman Co., Rockford, Ill.	As. Apr. 27, 1905
Colquhoun, M. W.	Sec. Pepperell Mfg. Co., 141 Milk St., Boston, Mass.	Ac. Aug. 3, 1921
Comins, Frank B.,	Gen. Mgr. American Moistening Co., 251 Causeway St., Boston, Mass.	Ac. Oct. 28, 1891

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Cook, Albion C.	Treas. Wampanoag Mills, Fall River, Mass.	Ac. Nov. 10, 1922
Cook, Edward H.	Treas. Quissett Mills, New Bedford, Mass.	Ac. Apr. 28, 1910
Cook, G. Arthur	Treas. West Boylston Mfg. Co., 265 Main St., Easthampton, Mass.	Ac. Apr. 25, 1907
Cook, Kenneth B.	Tech. Supt. Winnsboro Mills, Winnsboro, S. C.	As. July 15, 1922
Cooley, Fred A.	Supt. Atlantic Mills, 112 Warrington St., Providence, R. I.	Ac. Apr. 30, 1909
Coolidge, Amory	Asst. Treas. Pepperell Mfg. Co., P. O. Box 5075, Boston, Mass.	Ac. Oct. 14, 1925
Coon, J. L.	Atkinson, Hascrick & Co., 152 Congress St., Boston, Mass.	As. May 3, 1918
Cooper, James A.	Whitin Machine Works, Whitinsville, Mass.	As. Sept. 13, 1906
Cooper, James M.	30 Stillwater Ave., Providence, R. I.	Jr. Tech. Jan. 17, 1927
Corn Products Refining Co.	Charles P. Slocum, 47 Farnsworth St., Boston, Mass.	Sus. Mar. 2, 1918
Cornell Mills	Robert W. Zuill, Treas., Fall River, Mass.	Sus. July 20, 1918
Corr, Peter H.	Treas. Greenwich Bleachery, Taunton, Mass.	Ac. Apr. 24, 1895
Cottrell, B. S.	Parks-Cramer Co., 1102 Old South Bldg., Boston, Mass.	As. May 3, 1918
Couper, Archibald W.	Agt. Paul Whitin Mfg. Co., Rockdale Mills, Northbridge, Mass.	Ac. Oct. 29, 1918
Covel, Thomas D.	Pres. The Covel & Osborne Co., Fall River, Mass.	Ac. Apr. 26, 1906
Cowell, Richard	Agt. Greylock Mills, A. B. C., 33 Southworth Ave., Williamstown, Mass.	Ac. Apr. 24, 1902
Coxen, Harold M.	Hoosac Cotton Mills, North Adams, Mass.	S.R. Feb. 21, 1918
Cramer, Stuart W.	Pres. Cramerton Mills, Inc., Cramerton, N. C.	Ac. Apr. 26, 1906
Cranska, Lucius B.	Pres. The Floyd Cranska Thread Co., Moosup, Conn.	Ac. Sept. 21, 1905
Crawford, Dana R.	Sales Agt. U. S. Bobbin & Shuttle Co., 57 Eddy St., Providence, R. I.	As. Oct. 14, 1925
Crocker, Paul E.	Pepperell Mfg. Co., 160 State St., Boston, Mass.	Ac. Jan. 17, 1927
Crompton & Knowles Loom Works	Homer Gage, Pres., Worcester, Mass.	Sus. July 20, 1918
Cronkhite, Leonard W.	Pres. Leonard W. Cronkhite, Inc., 348 Congress St., Boston, Mass.	As. Apr. 30, 1909
Cronkhite, W. W.	General Electric Co., Schenectady, N. Y.	S.R. May 24, 1917
Crown Mfg. Co.	Benjamin C. Chace, Gen. Mgr., Pawtucket, R. I.	Sus. Oct. 19, 1918

		Elected
Cummings, Stanley R.	Research Engr. The Hoover Co., North Canton, Ohio	As. Mar. 7, 1924
Cumnock, John	Supt. Altavista Cotton Mills, Altavista, Va.	Ac. Apr. 30, 1914
Cunningham, George C.	Treas. Indian Head Mills of Alabama, 48 Franklin St., Boston, Mass.	Ac. Apr. 6, 1922
Currier, Andrew J.	66 Broad St., Valley Falls, R. I.	Ac. Apr. 25, 1888
Curtis & Marble Machine Co.	Edwin H. Marble, Pres., Worcester, Mass.	Sus. Apr. 8, 1919
Cushing, Joseph L.	Daniel Cushing & Co., Fletcher & Rock Sts., Lowell, Mass.	As. Apr. 26, 1900
Cutter, John	Amory, Browne & Co., 48 Franklin St., Boston, Mass.	Ac. June 5, 1925
Dana, Luther	Supt. Dana Warp Mills, Westbrook, Me.	Ac. Apr. 30, 1914
Dana, Philip	Pres. Dana Warp Mills, 347 Brown St., Westbrook, Me.	Ac. Sept. 29, 1898
Dana Warp Mills	Philip Dana, Pres., Westbrook, Me.	Sus. May 12, 1917
Daniels, F. G.	Gen. Mgr. Dominion Textile Co., Ltd., 10 Victoria Sq., Montreal, Quebec, Canada.	Ac. Apr. 17, 1908
Danker, Daniel J.	73 Dean Rd., Brookline, Mass.	{ Apr. 28, 1904 L. Apr. 25, 1907
Davis, Edward H.	Laurence & Co., 24 Thomas St., New York City.	Ac. Apr. 6, 1923
Davis Mills	Frank L. Carpenter, Treas., Fall River, Mass.	Sus. July 20, 1917
Davis, Poncet	Poncet Davis Co., 226 Ohio Bldg., Akron, Ohio.	As. June 1, 1923
Davis, T. A.	Anderson, Clayton & Co., 45 Franklin St., Boston, Mass.	S.R. June 1, 1923
Davol Mills	M. R. Brown, Treas., Fall River, Mass.	Sus. Aug. 12, 1918
Dawson, Arthur O.	Vice Pres. Canadian Cottons, Ltd., 28 Victoria Sq., Montreal, Quebec, Canada.	Ac. Oct. 4, 1907
Day, Morgan G.	Asst. Agt. Indian Orchard Co., Indian Orchard, Mass.	Ac. May 3, 1921
Dean, Milton O.	Agt. Edwards Mfg. Co., Augusta, Me.	Ac. Dec. 1, 1921
Deering, Henry G.	Crompton & Knowles Loom Works, 241 Harris Ave., Providence, R. I.	As. Apr. 15, 1927
Deering, Milliken & Co., Inc.	A. L. Fitzpatrick, Vice Pres., 79 Leonard St., New York City.	Sus. Nov. 26, 1919
De Forest, George	Pres. Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.	Ac. Oct. 28, 1897

		Elected
Delano, Arthur D.	As.	May 5, 1919
Treas. Manufacturers' Supply Co., 382 Acushnet Ave., New Bedford, Mass.		
Delano, George	S.R.	May 1, 1920
Treas. Bourne Mills, Fall River, Mass.		
Denham, J. S.	S.R.	Mar. 4, 1927
Sales Mgr. Dupont Rayon Company, Station B, Buffalo, N. Y.		
DeNormandie, P. Y.	Ac.	Apr. 29, 1896
Bliss, Fabyan & Co., 45 Franklin St., Boston, Mass.		
Dexter, Charles	Ac.	May 13, 1927
Rumford Textile Co., Phillipsdale, R. I.		
Dexter, Henry C.	Ac.	Apr. 25, 1901
Pres. Warwick Lace Works, Central Falls, R. I.		
Dick, Evans, Jr.	S.R.	June 14, 1926
Dick, Geary & Lancaster, 112 Water St., Boston, Mass.		
Dick, Geary & Lancaster	Sus.	June 14, 1926
Evans Dick, Jr., 112 Water St., Boston, Mass.		
Dillon, Frederick N.	As.	Sept. 22, 1904
D. M. Dillon Steam Boiler Wks., Fitchburg, Mass.		
Dimick, A. W.	S.R.	Sept. 10, 1918
Treas. Grosvenor-Dale Co., No. Grosvenor-Dale, Conn.		
Dineen, John J.	Ac.	Apr. 30, 1914
Supt. La Tosca Yarn Mill, McLoughlin Textile Corp, Utica, N. Y.		
Dixon, Ezra	As.	Sept. 21, 1905
Pres. Dixon Lubricating Saddle Co., Bristol, R. I.		
Dodd, H. C.	Ac.	Oct. 5, 1922
Treas. Thomas Henry & Sons, Inc., P. O. Box 4720, Sta. E., Philadelphia, Pa.		
Dodge, Linsley V.	Ac.	Apr. 16, 1926
Asst. Treas. W. C. Plunkett & Sons Co., Adams, Mass.		
Dolphin, Joseph	Ac.	May 3, 1918
Mgr. Canadian Cottons, Ltd., Marysville, New Brunswick, Canada.		
Donelan, Thomas E.	Ac.	Feb. 2, 1922
Gen. Mgr. Greenwich Bleachery, So. Main St., E. Greenwich, R. I.		
Dooley, John S.	As.	Feb. 14, 1919
William J. Dooley & Co., 60 Congress St., Boston, Mass.		
Doughty, Howard N.	Ac.	Nov. 10, 1922
Asst. Treas. Ipswich Mills, 24 Thomas St., New York City.		
Douty, Daniel E.	Ac.	Oct. 2, 1913
Vice Pres. and Gen. Mgr. U. S. Testing Co., Inc., 1415 Park Ave., Hoboken, N. J.		
Dow, Robert.	Ac.	Apr. 25, 1901
Solway Dyeing & Textile Co., Pawtucket, R. I.		
Downer, Arthur T.	As.	June 1, 1923
Treas. & Gen. Mgr. New England Laundries, Inc., Converse Pl., Winchester, Mass.		
Draper, Arthur J.	Ac.	Apr. 23, 1903
Pres. Iccormorlee Cotton Mills, Monroe, N. C.		
Draper, B. H. Bristow	{ L.	Apr. 24, 1913
Treas. Draper Corporation, Hopedale, Mass.		May 7, 1913
Draper Corp.	Sus.	Aug. 10, 1917
B. H. Bristow Draper, Treas., Hopedale, Mass.		

		Elected
Draper, George O.	Vice Pres. Hopedale Mfg. Co., Milford, Mass.	S.R. July 1, 1919
Dresser, Henry C.	Agt. Beaver Mills, North Adams, Mass.	Ac. Apr. 27, 1905
Duckworth, Harry S.	Gen. Mgr. Cranston Print Works Co., Cranston, R. I.	Ac. Apr. 17, 1908
Duff, John	David Duff & Son, New Bedford, Mass.	As. Apr. 28, 1910
Dumaine, Frederic C.	Treas. Amoskeag Mfg. Co., P. O. Box 5228, Boston, Mass.	Ac. Apr. 25, 1901
Duncan, Albert Greene	50 Kilby St., Boston, Mass.	Ac. Apr. 28, 1910
Duncan, David	Asst. to Agents, Lonsdale Co., 50 South Main St., Providence, R. I.	Ac. Jan. 11, 1926
Dunlap, F. Lincoln	Supt. Wampanoag Mills, 69 Alden St., Fall River, Mass.	Ac. Feb. 2, 1923
Dupont Rayon Company	J. S. Denham, Sales Mgr., Station B., Buffalo, N. Y.	Sus. Mar. 4, 1927
Durfee, Nathan	Asst. Treas. American Printing Co., Fall River, Mass.	Ac. Apr. 27, 1916
Dutcher, Frank J.	Pres. Draper Corp., Hopedale, Mass.	Ac. Apr. 24, 1902
Dwight Mfg. Co.	George Nichols, Treas., 53 State St., Boston, Mass.	Sus. Dec. 5, 1918
Eames, Charles H.	Pres. Lowell Textile School, Lowell, Mass.	Ac. Apr. 25, 1907
Earle, Frederic E.	Pres. & Treas. F. E. Earle Co., 30 North St., Fairhaven, Mass.	As. Apr. 6, 1923
Earle, G. Kenneth	Pres. G. Kenneth Earle Co., 4 Market Sq., Providence, R. I.	As. July 10, 1925
Easton, Frederic W.	Pres. Wapoyset Mfg. Co., 180 Weeden St., Pawtucket, R. I.	Ac. Apr. 25, 1910
Eastwood, Benjamin	Sec. Benjamin Eastwood Co., 300 Straight St., Paterson, N. J.	Ac. Apr. 13, 1911
Eaton, Clarence W.	C. W. Eaton & Co., P. O. Box 438, New Bedford, Mass.	As. May 13, 1927
Eddy, Jesse P.	Treas. Tillinghast, Stiles Co., P. O. Box 1522, Providence, R. I.	Ac. Sept. 21, 1905
Eddy, John D.	Supt. Weetamoe Mills, 190 Winter St., Fall River, Mass.	Ac. Apr. 27, 1916
Ely, Grosvenor	Treas. Ashland Cotton Co., Norwich, Conn.	Ac. Sept. 30, 1908
Emery, Arthur L.	Agt. Wamsutta Mills, P. O. Box 917, New Bedford, Mass.	Ac. Apr. 5, 1921
Erhard, George P.	Pres. The Stafford Co., Readville, Mass.	S.R. Apr. 1, 1918
Erwin, William A.	Treas. Erwin Cotton Mills, West Durham, N. C.	Ac. Sept. 29, 1911
Esmond Mills, The	Dexter Stevens, Mgr., Esmond, R. I.	Sus. Nov. 14, 1918

		Elected
Estes, Elmer B.	Ac.	May 3, 1918
Vice Pres. Estes Mills, Fall River, Mass.		
Estes, George H.	Ac.	May 5, 1922
Asst. Agt. Continental Mills, 196 Bates St., Lewiston, Me.		
Everett, Henry C., Jr.	Ac.	Sept. 15, 1916
Treas. Winnsboro Mills, 24 Federal St., Boston, Mass.		
Everett, James R.	S.R.	Mar. 15, 1918
Vice Pres. & Gen. Mgr. Wonalancet Co., Nashua, N. H.		
Everett Mills	Sus.	Aug. 1, 1923
Frederic C. McDuffie, Treas., 49 Federal St., Boston, Mass.		
Fabyan, Francis W.	Ac.	Sept. 29, 1911
Bliss, Fabyan & Co., 45 Franklin St., Boston, Mass.		
Fales, J. Richmond	As.	Apr. 24, 1923
Vice Pres. Fales & Jenks Machine Co., Pawtucket, R. I.		
Farlow, John S.	S.R.	Jan. 30, 1925
Asst. Treas. Whittenton Mfg. Co., 50 State St., Boston, Mass.		
Farnum, John, Co.	Sus.	Oct. 5, 1923
Philip F. Coleman, Sec., Philadelphia, Pa.		
Farrell, J. E.	Ac.	June 6, 1924
Supt. Passaic Division, Essex Cotton Mills, Passaic, N. J.		
Faunce, Vernon C.	Ac.	Apr. 17, 1908
Gen. Supt. Bates Mfg. Co., Lewiston, Me.		
Ferguson, Alfred L.	Ac.	Oct. 4, 1907
Vice Pres. Consolidated Textile Corp., 88 Worth St., New York City.		
Ferguson, J. C.	As.	May 3, 1921
Gen. Mgr. Eclipse Textile Co., Inc., Elmira, N. Y.		
Ferguson, James T.	Ac.	Oct. 5, 1899
Agt. Warwick Mills, Centreville, R. I.		
Ferguson, John W.	As.	Apr. 24, 1895
152 Market St., Paterson, N. J.		
Ferrier, William	Ac.	Apr. 6, 1922
102 Henry Ave., Lynn, Mass.		
Field, Frank S.	{ L.	Oct. 25, 1895
Asst. Treas. Massaemet Yarn Mills, Shattuckville, Mass.		Apr. 27, 1916
Filley, Frank H.	Ac.	Sept. 30, 1914
Vice Pres. American Mfg. Co., Noble and West Sts., Brooklyn, N. Y.		
Fingerhut, Charles F.	Ac.	May 13, 1927
Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.		
Fish, Charles H.	{ L.	Apr. 27, 1887
California Club, Los Angeles, Calif.		Apr. 28, 1904
Fisher, Andrew	Ac.	Apr. 28, 1910
85 High St., Boston, Mass.		
Fisher, James D.	As.	Apr. 15, 1927
P. T. Jackson Co., 41 Pearl St., Boston, Mass.		
Fisher, Robert H.	Ac.	Apr. 15, 1927
Dupont Rayon Company, 937 Hospital Trust Bldg., Providence, R. I.		
Fisher, Stuart D.	Ac.	July 10, 1925
Supt. Westerly Branch, Lorraine Mfg. Co., Westerly, R. I.		

		Elected
Fitchburg Yarn Co.	Sus.	Nov. 1, 1918
R. S. Wallace, Treas., Fitchburg, Mass.		
Fitzpatrick, A. L.	S.R.	Nov. 26, 1919
Vice Pres. Deering, Milliken & Co., Inc., 79 Leonard St., New York City.		
Flather, Frederick A.	{ L.	Apr. 29, 1891
Treas. Boott Mills, 79 Milk St., Boston, Mass.		Apr. 17, 1908
Flather, Frederick	{ L.	May 1, 1924
Boott Mills, Lowell, Mass.		May 1, 1924
Flather, John Rogers	{ L.	May 1, 1924
Boott Mills, Lowell, Mass.		May 1, 1924
Flynn, George D., Jr.	Ac.	June 14, 1926
Asst. Treas. The Ancona Co., Fall River, Mass.		
Forestdale Mfg. Co.	Sus.	Jan. 23, 1919
Forestdale, R.I.		
Forsyth, Charles Henry	Ac.	Oct. 14, 1925
Supt. Jackson Mill of Nashua Mfg. Co., Nashua, N. H.		
Fort Dummer Mills	Sus.	Nov. 15, 1918
John McMahon, Treas., Brattleboro, Vt.		
Foss, Eugene N.	Ac.	Apr. 25, 1907
11 Revere St., Jamaica Plain, Mass.		
Foss, Noble	Ac.	Apr. 16, 1926
Pres. Maverick Mills, 60 State St., Boston, Mass.		
Fowler, C. S.	Ac.	June 29, 1920
Pres. The Westerly Textile Co., Westerly, R. I.		
Fowler, E. T.	As.	Apr. 26, 1906
Treas. & Mgr. Foster Machine Co., Westfield, Mass.		
Fowler, Wells R.	S.R.	Apr. 16, 1926
Sec. & Treas. The Westerly Textile Co., Westerly, R. I.		
Fraker, George W.	As.	Mar. 1, 1919
Vice Pres. National City Bank, New York City.		
France, Edward W.	Ac.	Sept. 22, 1896
Director, Philadelphia Textile School, Broad and Pine Sts., Philadelphia, Pa.		
France, Thomas W.	As.	Dec. 7, 1923
150 Beaufort St., Providence, R. I.		
Francis T. A., & Co.	Sus.	Aug. 1, 1919
T. A. Francis, Providence, R. I.		
Freeman, Arthur C.	Ac.	Apr. 27, 1899
Vice Pres. H. W. Butterworth & Sons Co., 1212 Turks Head Bldg., Providence, R. I.		
Fritz, Frank R.	Ac.	Oct. 16, 1919
Nashua Mfg. Co., 48 Franklin St., Boston, Mass.		
Frost, Rufus S.	As.	Apr. 15, 1927
Crompton & Knowles Loom Works, Worcester, Mass.		
Gage, Homer	S.R.	July 20, 1918
Pres. Crompton & Knowles Loom Works, Worcester, Mass.		
Gagnebin, Charles L.	As.	Apr. 30, 1914
41 Carlton St., Brookline, Mass.		
Gallant, Walter B.	Ac.	Feb. 2, 1922
Agt. Newmarket Mfg. Co., Newmarket, N. H.		

			Elected
Gama, Salvado R.			{ Apr. 27, 1916
Mgr. Machado, Gama & Co., Caixa Postal No. 2093, Rio de Janeiro, Brazil.		{ L.	Apr. 26, 1917
Gardner, Arnold C.		Ac.	Apr. 26, 1906
Treas. Manomet Mills, 1 Clinton Pl., New Bedford, Mass.			
Gardner, William B.		Ac.	Sept. 23, 1909
Treas. Nashawena Mills, New Bedford, Mass.			
Garland, James P.		As.	Apr. 16, 1926
Vice Pres. Garland Mfg. Co., Saco, Me.			
Garside, Alston H.		As.	Apr. 16, 1926
Mgr. Industrial Service Dept., Merchants National Bank, 28 State St., Boston, Mass.			
Garvin, James		Ac.	Oct. 20, 1917
Supt. Harmony Mills, Cohoes, N. Y.			
Gary, E. Stanley		Ac.	Oct. 1, 1903
Pres. James S. Gary & Sons, Inc., 204-206 American Bldg., Baltimore, Md.			
General Electric Company		Sus.	May 24, 1917
West Lynn, Mass.			
Gerard Swope, Pres., New York City.			
W. W. Cronkhite, Schenectady, N. Y.			
Gibbs, E. Payson		Ac.	Sept. 23, 1909
Supt. Pepperell Mfg. Co., Biddeford, Me.			
Gilliland, Charles L.		Ac.	Oct. 2, 1913
Treas. Aberfoyle Mfg. Co., 1530 Bankers Trust Bldg., Philadelphia, Pa.			
Gilman, Edward T.		Ac.	May 5, 1922
363 Bridge St., Lowell, Mass.			
Gilmore, George L.		Ac.	Apr. 29, 1916
K. M. Gilmore & Co., Somerville, Mass.			
Gilmore, K. M., & Co.		Sus.	June 4, 1917
George L. Gilmore, Somerville, Mass.			
Glennon, John F.		Ac.	Apr. 16, 1926
Supt. Quissett Mills, New Bedford, Mass.			
Glennon, Thomas F.		Ac.	Apr. 28, 1910
Agt. Quissett Mill, New Bedford, Mass.			
Gniessin, Vladimir F.		Ac.	Oct. 1, 1903
Blythewood, S. C.			
Goddard Brothers		Sus.	Nov. 8, 1918
R. H. I. Goddard, Treas., Providence, R. I.			
Goddard, R. H. I.		S.R.	Nov. 8, 1918
Treas. Goddard Brothers, Providence, R. I.			
Godfrey, William C.		As.	Oct. 29, 1890
Treas. and Agt. Indian Orchard Co., Indian Orchard, Mass.			
Goerner, Gustav William		As.	Apr. 27, 1916
Roessler & Hasslacher Chemical Co., 40 Central St., Boston, Mass.			
Goff, Albert H.		Ac.	Apr. 25, 1907
The Textile-Finishing Machinery Co., Providence, R. I.			
Goldsmith, Wm. H., Jr.		As.	Oct. 20, 1917
Consulting Engr., 43 Garrison Rd., Brookline, Mass.			
Goodyear Cotton Mills, Inc.		Sus.	Feb. 8, 1918
H. B. Puckett, Asst. Treas., Killingly, Conn.			

		Elected
Gordon, Beirne, Jr.	Ac.	Apr. 28, 1910
Supt. The Skenandoa Cotton Co., 21 Clinton Pl., Utica, N. Y.		
Gordon, C. B.	Ac.	Sept. 13, 1906
Pres. Dominion Textile Co., Ltd., 10 Victoria Sq., Montreal, Quebec, Canada.		
Gordon, Frank S.	Ac.	Sept. 8, 1922
Agt. Boston Duck Co., Bondsville, Mass.		
Gordon, Frederick B.	Ac.	Apr. 26, 1900
Pres. Columbus Mfg. Co., Columbus, Ga.		
Gosnold Mills Co.	Sus.	Sept. 25, 1917
Charles M. Holmes, Treas., New Bedford, Mass.		
Gould, William A.	As.	Dec. 6, 1926
American Supply Co., 135 Washington St., Providence, R. I.		
Gourley, Hugh J.	Ac.	Sept. 8, 1922
Agt. Warren Mfg. Co., Water St., Warren, R. I.		
Goyette, A. Erland	Ac.	May 5, 1922
Mgr. Joseph Noone's Sons Co., Peterboro, N. H.		
Grab, Max	Ac.	Apr. 6, 1922
M. Grab Sons, Prague VIII, Czechoslovakia.		
Grandison, Ralph V.	As.	June 29, 1920
Agt. Hazard Cotton Co., P. O. Box 1835, Boston, Mass.		
Granite Mills	Sus.	June 20, 1918
James A. Sinclair, Treas., Fall River, Mass.		
Grant, George P., Jr.	Ac.	Sept. 27, 1894
Treas. Grant Yarn Co., Fitchburg, Mass.		
Grant Yarn Co.	Sus.	May 12, 1917
George P. Grant, Jr., Treas., Fitchburg, Mass.		
Gray, William H.	Ac.	May 3, 1918
Pres. and Treas. Dedham Finishing Co., Dedham, Mass.		
Greene, Edwin Farnham	Ac.	Apr. 24, 1902
Treas. Pacific Mills, 24 Federal St., Boston, Mass.		
Greene, Everett A.	Ac.	May 4, 1920
Lockwood, Greene & Co., 24 Federal St., Boston, Mass.		
Greene, F. Hartwell	Ac.	June 1, 1923
Treas. New England Southern Mills, 24 Federal St., Boston, Mass.		
Greene, R. L., Paper Co.	Sus.	Aug. 10, 1917
Providence, R. I.		
Greene, S. Harold	Ac.	Apr. 27, 1905
Pres. New England Southern Mills, 24 Federal St., Boston, Mass.		
Greenhalgh, George T.	Ac.	Apr. 30, 1909
Treas. Greenhalgh Mills, Pawtucket, R. I.		
Greenough, Allan B.	Ac.	Oct. 20, 1918
45 Milk St., Boston, Mass.		
Greenville Finishing Company	Sus.	June 14, 1926
A. F. Shaw, Pres., Greenville, R. I.		
Greer, Samuel	Ac.	Apr. 24, 1923
Supt. Lancaster Mills, 40 Chestnut St., Clinton, Mass.		
Greer, William K.	Ac.	Apr. 26, 1906
Agt. Hoosac Cotton Mills, P. O. Box 258, North Adams, Mass.		
Greylock Mills	Sus.	May 15, 1917
Gilbert T. Thompson, Treas., North Adams, Mass.		

			Elected
Gridley, Oscar W.	Treas. Utica Knitting Co., Erie St., Utica, N. Y.	Ac.	Apr. 28, 1910
Grinnell, Henry F.	Treas. Chace Mills, Fall River, Mass.	Ac.	Sept. 11, 1915
Grinnell Mfg. Corp.	Joseph W. Webster, Treas., New Bedford, Mass.	Sus.	Mar. 18, 1918
Griswoldville Mfg. Co.	Joseph W. Ballard, Treas., Griswoldville, Mass.	Sus.	Jan. 21, 1918
Grosvenor-Dale Co.	A. W. Dimick, Treas., No. Grosvenor-Dale, Conn.	Sus.	Sept. 10, 1918
Grosvenor, William	Pres. Grosvenor-Dale Co., P. O. Box 1384, Providence, R. I.	Ac.	Apr. 28, 1910
Gunby, Frank M.	c/o Charles T. Main, 200 Devonshire St., Boston, Mass.	As.	Apr. 26, 1917
Hagan, Thomas H.	Mgr. The Textile Development Co., 80 Federal St., Boston, Mass.	Ac.	June 5, 1925
Hague, Edwin D.	Whitin Machine Wks., Whitinsville, Mass.	As.	Oct. 5, 1922
Hale, Frank J.	147 Milk St., Boston, Mass.	Ac.	Apr. 27, 1892
Hale, Roger D.	Saco-Lowell Shops, 147 Milk St., Boston, Mass.	As.	Oct. 14, 1925
Haley, Henry T.	Pres. Dundee Mills, Hooksett, N. H.	Ac.	Sept. 30, 1914
Hall, F. C.	Agt. Manville Jenckes Co., Pawtucket, R. I.	Ac.	Oct. 29, 1918
Hall, H. Dwight	Sec. Boston Mfrs. Mutual Fire Ins. Co., 185 Franklin St., Boston, Mass.	As.	June 1, 1923
Hall, Lindsay S.	Supt. Devon Mills, Inc., New Bedford, Mass.	Ac.	Oct. 16, 1919
Hall, Walter B.	Agt. Whitman Mills, New Bedford, Mass.	Ac.	Apr. 25, 1901
Halliwell, William	Agt. Lawton Spinning Co., Woonsocket, R. I.	Ac.	Sept. 26, 1901
Hanaford, John H.	89 State St., Boston, Mass.	As.	May 3, 1918
Hannah, George K.	Supt. Parkhill Mfg. Co., 70 Congress St., Fitchburg, Mass.	Ac.	Apr. 24, 1923
Hansen, Harold C.	Boston Transcript, 324 Washington St., Boston, Mass.	{ L.	Sept. 23, 1909 Sept. 23, 1910
Harden, Henry C.	Agt. Great Falls Mfg. Co., Somersworth, N. H.	Ac.	May 3, 1918
Harding, Charles L.	Pres. Whitman Mills, 77 Franklin St., Boston, Mass.	Ac.	Sept. 11, 1912
Harding, Tilton & Co.	Newell W. Tilton, 50 Union Sq., New York City.	Sus.	Dec. 17, 1917
Harmon, William C.	Pres. The Pond Lily Co., New Haven, Conn.	S.R.	Aug. 21, 1917

			Elected
Harmony Mills	John Skinner, Treas., Cohoes, N. Y.	Sus.	May 10, 1917
Harris, Thomas	Gen. Supt. Social, Nourse & Globe Mills, Manville Jenckes Co., Woonsocket, R. I.	Ac.	Jan. 11, 1926
Harrison, Gilbert D.	Treas. Lewiston Bleachery & Dye Works, Lewiston, Me.	Ac.	Jan. 12, 1922
Harrison, Herbert	Agt. John Hetherington & Sons, Ltd., 49 Federal St., Boston, Mass.	As.	Jan. 14, 1919
Harrower, Francis D.	Asst. Agt. The Wauregan Co., Wauregan, Conn.	Ac.	Apr. 4, 1924
Harrower, Gordon	Vice Pres. & Asst. Treas. The Wauregan Co., P. O. Box 1425, Providence, R. I.	Ac.	Feb. 2, 1923
Hartley, Frank	Frank Hartley & Son, 146 Summer St., Boston, Mass.	Ac.	Apr. 27, 1905
Hartshorne, William D.	64 Middlesex Ave., Swampscott, Mass.	{ L.	Apr. 27, 1899 Apr. 26, 1906
Hastings, Walter M.	Agt. Monomac Spinning Co., Lawrence, Mass.	Ac.	Apr. 23, 1903
Hatch, Roy O.	Supt. Samson Cordage Works, Shirley, Mass.	Ac.	Apr. 16, 1926
Hathaway, Edgar F.	Vice Pres. & Gen. Mgr. Shawmut Engineering Co., 195 Freeport St., Dorchester, Mass.	As.	Apr. 27, 1905
Hathaway, Horatio	Pres. Hathaway Mfg. Co., New Bedford, Mass.	As.	Apr. 16, 1926
Hathaway Mfg. Co.	J. E. Stanton, Jr., Treas., New Bedford, Mass.	Sus.	Nov. 21, 1918
Haughton, M. Graeme	Haughton & Co., 40 Central St., Boston, Mass.	{ L.	Apr. 29, 1915 May 15, 1916
Haurowitz, Stephen Carl	L. Haurowitz-Grottan, Prague II, Marianska 39, Czechoslovakia.	Ac.	Apr. 6, 1922
Havey, J. Fred	Mgr. Foreign Sales Dept., Saco-Lowell Shops, 147 Milk St., Boston, Mass.	As.	Sept. 17, 1910
Hawes, William B.	O. S. Hawes & Brother, P. O. Box 733, Fall River, Mass.	Ac.	Apr. 24, 1895
Haworth, Richard	Mgr. Richard Haworth, Inc., 25 Fountain St., Providence, R. I.	As.	Mar. 7, 1924
Hayes, Clifford B.	Pacific Mills, 24 Thomas St., New York City.	Ac.	Jan. 17, 1927
Hayward, Harry T.	Pres. Forestdale Mfg. Co., Franklin, Mass.	Ac.	Apr. 25, 1907
Hazard, William H., Jr.	The Textile Development Co., 80 Federal St., Boston, Mass.	Tech.	Apr. 16, 1926
Heap, Charles F.	Supt. The Lawton Mills Corp., Plainfield, Conn.	Ac.	Apr. 30, 1909
Heatley, Thomas E.	320 Broadway, New York City.	Ac.	Sept. 11, 1915
Hedrick, Charles C.	c/o Mitsubishi Shoji Kaisha, Ltd., 15 Andojibashidori, 3 Chome, Minami-Ku, Osaka, Japan.	As.	Apr. 23, 1903

		Elected
Helpfenbein, Robert	Jr. Tech.	Jan. 17, 1927
105 George St., Fall River, Mass.		
Hendry, Robert A.	Ac.	June 14, 1926
Asst. Supt. Nashawena Mills, New Bedford, Mass.		
Herrick, Clifford E.	As.	June 14, 1926
Northern Agent, Boyce Weavers Knotter, 401 Union Trust Bldg., Providence, R. I.		
Herrick, Robert F., Jr.	As.	Apr. 6, 1920
Treas. Saco-Lowell Shops, 147 Milk St., Boston, Mass.		
Herrick, Robert F.	Ac.	Apr. 27, 1916
Pres. Pacific Mills, 1 Federal St., Boston, Mass.		
Herron, Alexander T.	Ac.	Apr. 4, 1924
P. O. Box 57, Utica, N. Y.		
Hersey, Henry H.	As.	Apr. 16, 1926
Mgr. Roller Leather Dept. A. C. Lawrence Leather Co., 210 South St., Boston, Mass.		
Hewins, Edmund D.	As.	Oct. 5, 1922
Pres. & Treas. E. D. Hewins, Inc., 72 Lincoln St., Boston, Mass.		
Heyes, Fred L.	Ac.	Sept. 11, 1915
Agt. Nonquitt Spinning Co., 449 Clinton St., New Bedford, Mass.		
Hill, John H.	As.	Apr. 16, 1926
Steel Heddle Mfg. Co., Providence, R. I.		
Hill & Cutler Co.	Sus.	Mar. 7, 1924
Laurance D. Chapman, Asst. Treas., 1 Pearl St., New Bedford, Mass.		
Hill Mfg. Co.	Sus.	June 15, 1923
Walter H. Bradley, Treas., 89 State St., Boston, Mass.		
Hillman, Ralph G.	Ac.	Apr. 16, 1926
Asst. Supt. Samson Cordage Works, Shirley, Mass.		
Hinckley, Everett H.	As.	Aug. 3, 1921
Borne-Scrymser Co., 17 Battery Pl., New York City.		
Hinckley, George C.	Ac.	Sept. 23, 1909
Textile Broker, 707 Grosvenor Bldg., Providence, R. I.		
Hindle, Joseph H.	Ac.	June 1, 1923
Supt. Print Wks. Div. American Printing Co., Water St., Fall River, Mass.		
Hitchcock, Thomas B.	Ac.	Apr. 13, 1911
32 Fuller St., Brookline, Mass.		
Hobbs, A. F.	S.R.	Feb. 10, 1920
Vice Pres. New York Mills Corp., New York Mills, N. Y.		
Hobbs, Ernest S.	Ac.	Oct. 29, 1918
Treas. Aurora Cotton Mills, Aurora, Ill.		
Hobbs, Franklin W.	{ L.	Apr. 27, 1899 Apr. 18, 1917
Pres. Arlington Mills, 78 Chauncy St., Boston, Mass.		
Hoch, William H.	As.	April 15, 1927
Whitin Machine Works, Whitinsville, Mass.		
Hodges, Charles E.	As.	Apr. 17, 1908
Pres. American Mutual Liability Ins. Co., 142 Berkeley St., Boston, Mass.		
Holbrook, H. G.	S.R.	Aug. 3, 1921
Kendall Mills, Walpole, Mass.		
Holcomb, Clark W.	Ac.	Sept. 21, 1905
New Bedford Boiler & Machine Co., P. O. Box 650, New Bedford, Mass.		

		Elected
Holgate, Benjamin	Ac.	Jan. 12, 1922
Agt. Boott Mills, Lowell, Mass.		
Holmes, Charles M.	Ac.	Apr. 27, 1899
Treas. Holmes Mfg. Co., New Bedford, Mass.		
Holmes Mfg. Co.	Sus.	Sept. 18, 1917
Charles M. Holmes, Treas., New Bedford, Mass.		
Holt, John H.	{ L.	Apr. 23, 1903 Feb. 25, 1920
Treas. Luther Mfg. Co., P. O. Box 57, Fall River, Mass.		
Homer, Arthur C.	S.R.	July 17, 1917
Treas. Pilgrim Mills, Fall River, Mass.		
Hood, Ernest N.	Ac.	Oct. 20, 1917
Treas. Naumkeag Steam Cotton Co., Salem, Mass.		
Hooper, James P.	Ac.	May 3, 1918
Vice Pres. William E. Hooper & Sons Co., Baltimore, Md.		
Hooper, Robert P.	Ac.	Sept. 21, 1905
Treas. Hooper Sons Mfg. Co., Juniper and Cherry Sts., Philadelphia, Pa.		
Hoosac Cotton Mills	Sus.	Feb. 21, 1918
Harold M. Coxen, North Adams, Mass.		
Hopedale Mfg. Co.	Sus.	July 1, 1919
George Otis Draper, Vice Pres., Milford, Mass.		
Hopkinson, Thomas	Ac.	Apr. 25, 1912
Hopkinson Dyeing & Textile Works, Fall River, Mass.		
Hopson, Harry B.	Ac.	Apr. 28, 1904
Green & Hopson, Green Bldg., Springfield, Mass.		
Horton, Herbert Roy	Ac.	Mar. 4, 1927
J. & P. Coats, 614 East Ave., Pawtucket, R. I.		
Houghton, Harry E.	Ac.	Apr. 30, 1914
Supt. Spinning, Dartmouth Mfg. Co., Cove St., New Bedford, Mass.		
Howard Bros. Mfg. Co.	Sus.	Jan. 22, 1918
Herbert Midgley, Pres. & Gen. Mgr., Worcester, Mass.		
Howe, Dudley R.	Ac.	Oct. 5, 1923
Director, Lockwood, Greene & Co., Mgrs., 24 Federal St., Boston, Mass.		
Howe, Frederick W.	As.	Apr. 24, 1902
Vice Pres. Crompton & Knowles Loom Wks., P. O. Box 1361, Providence, R. I.		
Howe, Henry S.	Ac.	Oct. 31, 1877
53 State St., Room 843, Boston, Mass.		
Howe, James Carlton	As.	Sept. 11, 1912
Vice Pres. Old Colony Trust Co., 17 Court St., Boston, Mass.		
Howe, Parkman D.	Ac.	Sept. 11, 1915
Laurence & Co., 89 Franklin St., Boston, Mass.		
Howe, Percival S., Jr.	Ac.	Mar. 2, 1923
Wellington, Sears & Co., 65 Worth St., New York City.		
Howe, Woodbury K.	Ac.	June 7, 1919
Asst. Supt. Merrimack Mfg. Co., Lowell, Mass.		
Howland, Weston	Ac.	May 1, 1924
Asst. Treas. Warwick Mills, 201 Devonshire St., Boston, Mass.		
Hubbard, Samuel T.	As.	Sept. 13, 1906
Hubbard Bros. & Co., 66 Beaver St., New York City.		

		Elected
Huggins, Gurry E.	As.	Apr. 30, 1914
120 Broadway, New York City.		
Hunnewell, Arnold W.	As.	May 3, 1921
Treas. Nashua Homes Corp., P. O. Box 1302, Boston, Mass.		
Hunsicker, Alvin	Ac.	Apr. 30, 1909
Standard Textile Products Co., 320 Broadway, New York City.		
Hunter, Henry P.	Ac.	Apr. 24, 1913
Supt. Equinox Mill, Anderson, S. C.		
Huntoon, Harrison B., Jr.	Ac.	June 1, 1923
Treas. Providence Braid Co., P. O. Box 1271, Providence, R. I.		
Huntoon, Maxwell C.	Ac.	June 1, 1923
Pres. Woodlawn Finishing Co., P. O. Box 1211, Providence, R. I.		
Hyslop, Samuel	Ac.	Sept. 30, 1908
Mgr. Saxony Worsted Mills, Newton, Mass.		
Isley, John P.	As.	Oct. 6, 1921
N. E. Mgr. Wing & Evans, Inc., 77 Summer St., Boston, Mass.		
Inches, Charles E.	Ac.	May 4, 1920
Treas. Androscoggin Mills, 77 Franklin St., Boston, Mass.		
Interlaken Mills	Sus.	Oct. 29, 1918
Harris H. Bucklin, Asst. Treas., Phenix, R. I.		
Ipswich Mills	Sus.	June 6, 1924
Auguste Richard, Treas., 24 Thomas St., New York City.		
Irvine, Robert A.	Ac.	Dec. 6, 1926
Lancaster Mills, Clinton, Mass.		
Iselin, Oliver	Ac.	May 13, 1927
William Iselin & Co., 18 Thomas St., New York City.		
Jackson, N. Baxter	As.	Feb. 5, 1926
Vice Pres. Chemical National Bank, 270 Broadway, New York City.		
Jackson, P. T.	Ac.	Sept. 21, 1905
Vice Pres. Essex Cotton Mills, P. O. Box 2035, Boston, Mass.		
Jackson, S. Eugene	Ac.	May 1, 1924
Asst. Treas. Crown Mfg. Co., Pawtucket, R. I.		
Jamieson, Joseph B.	Ac.	Oct. 2, 1902
Treas. Multiple Winding Co., 77 Summer St., Boston, Mass.		
Jamieson, Philip S.	Ac.	June 14, 1926
Vice Pres. Multiple Winding Co., 77 Summer St., Boston, Mass.		
Jelleme, W. O.	Ac.	Aug. 5, 1919
Farley Road, Millburn, N. J.		
Jenckes, Earl S.	Ac.	Apr. 27, 1905
Vice Pres. & Gen. Mgr. Reading Cotton Mill, Jos. Bancroft & Sons Co. of Pennsylvania, Reading, Pa.		
Jenckes, Frederick L.	Ac.	Apr. 25, 1907
Treas. Manville Jenckes Co., Pawtucket, R. I.		
Jenks, Robert R.	As.	Oct. 5, 1922
Pres. Fales & Jenks Machine Co., 320 Dexter St., Pawtucket, R. I.		
Jenks, Samuel A.	As.	Apr. 16, 1926
Sec. & Gen. Mgr. Union Electric Supply Co., 20 Commercial St., New Bedford, Mass.		

		Elected
Jennings, Edward B.	Ac.	Sept. 29, 1898
547 High St., Fall River, Mass.		
Jennings, William H.	S.R.	Nov. 1, 1918
Treas. Algonquin Printing Co., Fall River, Mass.		
Johnson, Arthur R.	As.	May 1, 1924
Ridley Watts Co., 44 Leonard St., New York City.		
Johnson, Edward M.	As.	Apr. 29, 1915
Vice Pres. & Treas. Arnold, Hoffman & Co., Inc., P. O. Box 1376, Providence, R. I.		
Jones, Allen	Ac.	Oct. 5, 1922
Asst. Mgr. Beaver Mills, 102 Worth St., New York City.		
Jones, Ernest G.	As.	May 5, 1919
Cooper & Brush, 826 Industrial Trust Bldg., Providence, R. I.		
Jones, William A.	As.	July 30, 1926
Pres. Jones & Brown Co., 40 Central St., Boston, Mass.		
Judson, Wm. D.	S.R.	Nov. 23, 1918
Parker, Wilder & Co., 78 Leonard St., New York City.		
Jury, Alfred E.	As.	Sept. 16, 1916
United States Rubber Co., 1790 Broadway, New York City.		
Kay, K.	Ac.	June 6, 1924
Binny & Co. (Madras) Ltd., 7 Armenian St., Madras, India.		
Keeler, Lawrence M.	As.	Sept. 26, 1901
Agt. Whitin Machine Wks., Whitinsville, Mass.		
Kelley, Ahira Baker	Ac.	Apr. 13, 1911
Bemis Bro. Bag. Co., 40 Central St., Boston, Mass.		
Kelley, Timothy J.	Ac.	Apr. 30, 1909
Vice Pres. Brighton Mills, Passaic, N. J.		
Kendall, Henry P.	Ac.	Apr. 29, 1915
Pres. Kendall Mills, 80 Federal St., Boston, Mass.		
Kendall Mills	Sus.	Aug. 3, 1921
H. G. Holbrook, Walpole, Mass.		
Kenney, Frank B.	As.	Oct. 5, 1899
Pres. T. C. Entwistle Co., 297 Market St., Lowell, Mass.		
Kenney, Joseph T.	Ac.	May 3, 1918
Pres. Sharp Mfg. Co., New Bedford, Mass.		
Kenyon, Walter S.	Ac.	Dec. 6, 1926
American Thread Co., 260 West Broadway, New York City.		
Kern, William E., Jr.	Ac.	Sept. 23, 1909
Treas. Taber Mill, New Bedford, Mass.		
Kerr, James B.	Ac.	Apr. 25, 1907
Agt. American Thread Co., Fall River, Mass.		
Kershaw, Elias H.	Ac.	Oct. 14, 1926
Supt. Greylock Mill A, North Adams, Mass.		
Killheffer, Elvin H.	S.R.	Nov. 10, 1919
Vice Pres. Newport Chemical Wks., Inc., Passaic, N. J.		
Killian, J. R.	Ac.	Nov. 1, 1923
Supt. Beaver Mills, North Adams, Mass.		
Kimball, William N.	Ac.	Apr. 24, 1902
Agt. Manville Co., Woonsocket, R. I.		

		Elected
King, Alexander	Ac.	Apr. 27, 1905
177 Walnut St., East Orange, N. J.		
King, Gelston T.	As.	Nov. 13, 1924
E. and F. King Co., Inc., 405 Atlantic Ave., Boston, Mass.		
King Philip Mills	Sus.	June 14, 1918
Simeon B. Chase, Treas., Fall River, Mass.		
Kirk, John T.	Ac.	Apr. 27, 1905
Gen. Supt. Nashawena Mill, 109 Bedford St., New Bedford, Mass.		
Klebart, Fred S.	As.	Apr. 25, 1912
The J. B. Ford Co., Wyandotte, Mich.		
Kleeb, Leonard, Jr.	Ac.	May 3, 1918
Agt. Ipswich Mills, Ipswich, Mass.		
Knight, Jesse A.	Ac.	Oct. 26, 1892
Agt. Manomet Mills, New Bedford, Mass.		
Knight, Walter B.	Ac.	Apr. 24, 1889
Agt. Quidnick-Windham Mfg. Co., Willimantic, Conn.		
Knowland, Richard G.	As.	Mar. 7, 1924
Con. Chemical Eng., 88 Broad St., Boston, Mass.		
Knowlton, Harold W.	Ac.	June 5, 1925
Treas. The Textile Development Co., 77 Summer St., Boston, Mass.		
Knowlton, Harry W.	As.	Nov. 1, 1923
Pres. Knowlton & Newton Co., Inc., 545 Broadway, Lowell, Mass.		
Kunhardt, L. H.	As.	Oct. 2, 1913
Vice Pres. Boston Mfrs. Mutual Fire Ins. Co., 185 Franklin St., Boston, Mass.		
Lamport Mfg. Supply Co.	Sus.	Nov. 13, 1924
Samuel C. Lamport, Pres., 509 Broadway, New York City.		
Lamport, Samuel C.	S.R.	Nov. 13, 1924
Pres. Lamport Mfg. Supply Co., 509 Broadway, New York City.		
Lamson, William A.	As.	Apr. 27, 1916
Pres. U. S. Mailing Case Co., 42 Church St., Lowell, Mass.		
Lancaster Mills	Sus.	Nov. 5, 1917
S. Harold Greene, Pres., 24 Federal St., Boston, Mass.		
Lane, David F.	Ac.	Dec. 5, 1924
W. T. Lane & Bros., Poughkeepsie, New York.		
Langdon, Duncan	Ac.	Jan. 11, 1926
Vice Pres. & Gen. Mgr. S. Slater & Sons, Inc., Webster, Mass.		
Lapham, Leonard C.	Ac.	Apr. 25, 1907
Treas. Nonquitt Spinning Co., New Bedford, Mass.		
Lasell, John W.	As.	Feb. 5, 1926
Advertising Mgr. Whitin Machine Works, Whitinsville, Mass.		
Lasell, Josiah M.	As.	Apr. 24, 1895
Whitin Machine Wks., Whitinsville, Mass.		
Latham, Wendell G.	Ac.	June 5, 1925
Supt. Blodgett & Orswell Co., Pawtucket, R. I.		
Lawrence, James	As.	Sept. 30, 1914
McFadden, Sands & Co., 114 Federal St., Boston, Mass.		
Lawrence, John S.	As.	Apr. 30, 1909
Lawrence & Co., 89 Franklin St., Boston, Mass.		

		Elected
Lawrence & Co.		Sus. May 31, 1917
John S. Lawrence, 89 Franklin St., Boston, Mass.		
Lawrence Duck Co.		Sus. Mar. 15, 1918
William L. Barrell, Treas., Lawrence, Mass.		
Lawson, John		As. Oct. 26, 1918
Pres. Hemphill Co., Pawtucket, R. I.		
Lawson, Ralph		As. Oct. 20, 1917
John Malloch & Co., 4 Liberty Sq., Boston, Mass.		
Lawton Mills Corp., The		Sus. Nov. 5, 1917
S. Harold Greene, Treas., 24 Federal St., Boston, Mass.		
Leach, Joseph T.		Ac. Apr. 13, 1911
Supt. Durfee Mills, Fall River, Mass.		
Leary, Frank J.		As. Apr. 16, 1926
Leary & Walker, New Bedford, Mass.		
Lee, William S.		Ac. Apr. 13, 1911
Vice Pres. Southern Power Co., P. O. Box 600, Charlotte, N. C.		
Leland, Richard C.		Ac. Mar. 4, 1927
Warwick Mills, West Warwick, R. I.		
Leonard, Philip H.		Ac. June 14, 1926
Mgr. Ipswich Mills, Ipswich, Mass.		
Leonard, Russell H.		Ac. Apr. 29, 1915
Treas. Pepperell Mfg. Co., 160 State St., Boston, Mass.		
Leonard, Wardwell C.		Tech. Mar. 2, 1923
Nashawena Mills, New Bedford, Mass.		
Lewis, J. Colby		Ac. Nov. 13, 1924
Supt. Pemaquid Mills, P. O. Box 918, New Bedford, Mass.		
Libbey, W. Scott		Ac. May 5, 1922
Treas. W. S. Libbey Co., Lewiston, Me.		
Liberty, Earl J.		Ac. Mar. 4, 1927
Whitin Bros., Inc., Whitinsville, Mass.		
Lincoln Mfg. Co.		Sus. July 30, 1917
Israel Brayton, Treas., Fall River, Mass.		
Lindell, George A.		Tech. Apr. 16, 1926
114 N. Main St., Uxbridge, Mass.		
Lippitt, Henry F.		Ac. Apr. 27, 1881
Gen. Mgr. Manville Jenckes Co., P. O. Box 1465, Providence, R. I.		
Little Androscoggin Water Power Co.		Sus. Sept. 18, 1917
W. E. Winchester, Treas., 79 Leonard St., New York City.		
Lockwood Co.		Sus. Aug. 10, 1917
William E. Winchester, 79 Leonard St., New York City.		
Lockwood, Greene & Co., Inc.		Sus. Sept. 27, 1917
Frank W. Reynolds, Vice Pres., 24 Federal St., Boston, Mass.		
Lockwood, H. deForest		Ac. Apr. 13, 1911
Treas. Bates Mfg. Co., 60 Congress St., Boston, Mass.		
Loftus, William H.		Ac. Oct. 28, 1897
Supt. The Clark Thread Co., Newark, N. J.		
Loper, Ralph E. & Co.		Sus. Nov. 1, 1923
Ralph E. Loper, Pres., 10 Purchase St., Fall River, Mass.		
Loper, Ralph E.		S.R. Nov. 1, 1923
Pres. Ralph E. Loper & Co., 10 Purchase St., Fall River, Mass.		

			Elected
Lord, Charles E.	Pres. Aberfoyle Mfg. Co., Chester, Pa.	Ac.	May 3, 1921
Lord, Harry D.	Saco-Lowell Shops, 147 Milk St., Boston, Mass.	Ac.	Apr. 27, 1905
Lord, Henry G.	Pres. Bragdon, Lord & Nagle Co., Inc., Boston, Mass.	S.R.	Mar. 1, 1918
Lord, John T.	Supt. Pacific Mills, 50 Phillips St., Andover, Mass.	Ac.	Apr. 28, 1904
Lorraine Mfg. Co.,	James R. MacColl, Pres., Pawtucket, R. I.	Sus.	May 24, 1917
Lovering, William M.	Treas. Taunton Bleachery & Dye Works, Taunton, Mass.	Ac.	Sept. 27, 1894
Low, J. J.	E. P. Walker & Co., 100 Milk St., Boston, Mass.	As.	May 1, 1924
Lowe, Arthur H.	Pres. Amoskeag Mfg. Co., Manchester, N. H.	Ac.	Oct. 30, 1889
Lowe, David	Supt. Parkhill Mfg. Co., Fitchburg, Mass.	Ac.	Apr. 24, 1895
Lowe, John	Gen. Mgr. The Montreal Cottons, Ltd., Valleyfield, Quebec, Canada.	Ac.	Apr. 28, 1910
Lowe, John	Supt. Warwick Mills, Centerville, R. I.	Ac.	Nov. 23, 1925
Lowe, Russell B.	Pres. Parkhill Mfg. Co., Fitchburg, Mass.	Ac.	Apr. 25, 1907
Lowe, Stephen C.	Pres. S. C. Lowe Supply Co., New Bedford, Mass.	As.	Oct. 25, 1895
Lowe, Stephen C., Jr.	1143 Purchase St., New Bedford, Mass.	As.	Apr. 16, 1926
Lowell, A. Lawrence, LL.D.	Pres. Harvard University, 19 Quincy St., Cambridge, Mass.	Hon.	Apr. 30, 1909
Lowell, W. Frank	Saco-Lowell Shops, 147 Milk St., Boston, Mass.	As.	Oct. 14, 1926
Luce, George E.	Supt. Beaver Mills, Waterford Plant, P. O. Box 25, Waterford, N. Y.	Ac.	Apr. 28, 1910
Luther Mfg. Co.	John H. Holt, Treas., P. O. Box 57, Fall River, Mass.	Sus.	Feb. 1, 1918
Lyall, William L.	Chairman of Board, Brighton Mills, Passaic, N. J.	Ac.	Oct. 26, 1892
Lyle, E. T.	Vice Pres. Carrier Engineering Corp., 39 Cortlandt St., New York City.	As.	Mar. 6, 1925
Lyman, Herbert	18 Tremont St., Room 441, Boston, Mass.	Ac.	Oct. 25, 1895
Lyman Mills	Henry L. Sigourney, Asst. Treas., Holyoke, Mass.	Sus.	Dec. 5, 1918
Lynch, Francis	Agt. American Mfg. Co., Victory Mills, Victory Mills, N. Y.	Ac.	Jan. 12, 1922
Lynch, T. J.	Allis-Chalmers Mfg. Co., 50 Congress St., Boston, Mass.	As.	Sept. 30, 1914

		Elected	
MacColl, James R.		{ L.	Apr. 24, 1895
Pres. Lorraine Mfg. Co., Pawtucket, R. I.			Sept. 21, 1905
MacColl, William B.		Ac.	Apr. 13, 1911
Sec.-Treas. Lorraine Mfg. Co., Pawtucket, R. I.			
MacEnroe, James F.		Ac.	June 1, 1923
54 Wilson St., Phillipsburg, N. J.			
McBee, William B.		As.	Aug. 1, 1923
Pres. & Treas. Blackstone Mutual Fire Insurance Co., P. O. Box 1525,			
Providence, R. I.			
McBee, William R. L.		Ac.	Apr. 24, 1923
Berkshire Cotton Mfg. Co., Adams, Mass.			
McCarty, Bernard F.		Ac.	May 3, 1918
Supt. Manomet Mill No. 1, New Bedford, Mass.			
McCaughey, Edward J.		Ac.	Apr. 26, 1906
51 Arlington St., Pawtucket, R. I.			
McCausland, Ralph E.		As.	Apr. 12, 1911
Barber-Colman Co., Rockford, Ill.			
McCormick, Charles A.		S.R.	Sept. 12, 1917
Treas. Chicopee Mfg. Corp., Chicopee Falls, Mass.			
McCruden, James F.		Ac.	Apr. 6, 1925
Aberfoyle Manufacturing Company, Bankers Trust Building, Phila-			
delphia, Pa.			
McDevitt, Frederick H.		Ac.	Sept. 17, 1910
Agt. Soule Mill, New Bedford, Mass.			
McDowell, James		Ac.	May 4, 1920
146 Forest St., Medford, Mass.			
McDuffie, Charles D.		Ac.	Oct. 5, 1923
Supt. Everett Mills, Lawrence, Mass.			
McDuffie, Frederic C.		Ac.	Oct. 25, 1882
Treas. Everett Mills, P. O. Box 2934, Boston, Mass.			
McElvie, John G.		Ac.	June 14, 1926
Mgr. Mobile Cotton Mills, 320 Broadway, New York City.			
McFadden, George H., & Bro.		Sus.	Oct. 29, 1918
Isaac R. Thomas, Mgr., 211 Congress St., Boston, Mass.			
McFadden, J. Franklin		As.	Sept. 13, 1906
McFadden, Sands & Co., 115 Chestnut St., Philadelphia, Pa.			
McFadden, Robert C.		Ac.	Nov. 1, 1923
Supt. Whitman Mills, New Bedford, Mass.			
McFadden, Sands & Co.		Sus.	June 28, 1918
James Lawrence, 114 Federal St., Boston, Mass.			
McGowan, Frank R.		Ac.	Oct. 5, 1922
Cotton-Textile Institute, 320 Broadway, New York City.			
McGregor, John A.		Ac.	Apr. 28, 1910
Pres. Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.			
McHenry, Sidney C.		Ac.	June 14, 1926
Agent, Otis Company, Ware Mill, Ware, Mass.			
McIntyre, Joseph B.		Ac.	Sept. 11, 1912
166 President Ave., Providence, R. I.			
McKennie, Bernard J.		Ac.	Jan. 17, 1927
W. C. Plunkett & Sons Co., 74 Commercial St., Adams, Mass.			

		Elected
McKinley, William, Jr.	As.	Apr. 29, 1915
W. H. Langley & Co., 77 Worth St., New York City.		
McKitterick, Edward H.	Ac.	June 14, 1926
Lockwood, Greene & Co., 24 Federal St., Boston, Mass.		
McLean, Earle C.	Ac.	Jan. 17, 1927
Pepperell Mfg. Co., 160 State St., Boston, Mass.		
McLoughlin, John E.	Ac.	Apr. 25, 1907
Pres. McLoughlin Textile Co., Utica, N. Y.		
McLoughlin, R. P.	Ac.	Sept. 13, 1906
Treas. McLoughlin Textile Corp., Utica, N. Y.		
McMahon, John	S.R.	Nov. 15, 1918
Treas. Fort Dummer Mills, Pawtucket, R. I.		
McNab, Allan, Jr.	Ac.	Sept. 11, 1912
New England Southern Mills, 24 Federal St., Boston, Mass.		
Macara, Charles W., Bart.	Ac.	Apr. 25, 1907
Henry Bannerman & Sons, Ltd., 33 York St., Manchester, Eng.		
Macintyre, A. Fergusson	Ac.	June 15, 1923
Ag't. Appleton Mfg. Co., Anderson, S. C.		
Mackay, Rowland N.	As.	Nov. 1, 1923
77 Summer St., Boston, Mass.		
Mackintosh, Charles E.	S.R.	Aug. 1, 1923
Pres. & Treas. D. Mackintosh & Sons Co., Holyoke, Mass.		
Mackintosh, D., & Sons Co.	Sus.	Aug. 1, 1923
Charles E. Mackintosh, Pres., & Treas., Holyoke, Mass.		
Macy, Frederick B.	Ac.	Apr. 25, 1901
Frederick B. Macy & Co., 222 Union St., New Bedford, Mass.		
Maddox, Amos G.	Ac.	Oct. 18, 1900
Supt. Mohawk Valley Cotton Mills, Utica, N. Y.		
Main, Charles T.	Ac.	Oct. 28, 1885
Mill Engineer, 201 Devonshire St., Boston, Mass.		
Mains, Robert	Ac.	Sept. 16, 1916
66 Leonard St., New York City.		
Makepeace, Alexander	Ac.	Oct. 1, 1903
Supt. American Printing Co., Fall River, Mass.		
Makepeace, Charles R.	Ac.	Apr. 30, 1890
Mill Engineer, P. O. Box 1146, Providence, R. I.		
Makepeace, Charles S.	Ac.	Feb. 8, 1921
Mill Engineer, P. O. Box 1146, Providence, R. I.		
Malone, Arnold T.	Ac.	Oct. 14, 1926
Joseph Noone's Sons Co., 105 Washington St., Boston, Mass.		
Manley, John Warren	Ac.	Apr. 30, 1909
Sayles Bleacheries, 185 Arlington Ave., Providence, R. I.		
Manson, Ernest T.	As.	Oct. 2, 1913
Edward H. Best & Co., 222 Purchase St., Boston, Mass.		
Manville Jenckes Co.	Sus.	Mar. 18, 1918
Frederick L. Jenckes, Treas., Pawtucket, R. I.		
Marble, C. F.	As.	Mar. 6, 1925
Curtis & Marble Machine Co., 72 Cambridge St., Worcester, Mass.		
Marble, Edwin H.	S.R.	Apr. 8, 1919
Pres. Curtis & Marble Machine Co., Worcester, Mass.		

		Elected
Marble, George Edwin	As.	May 1, 1924
Curtis & Marble Machine Co., 72 Cambridge St., Worcester, Mass.		
Marble, Herbert H.	Ac.	Apr. 30, 1890
Treas. Arkwright Mills, P. O. Box 71, Fall River, Mass.		
Marsh, Henry	As.	Apr. 30, 1909
Atkinson, Haserick & Co., 152 Congress St., Boston, Mass.		
Marston, John P.	{ L.	Apr. 28, 1904
247 Atlantic Ave., Boston, Mass.		Apr. 25, 1907
Martin, Edward L.	As.	Apr. 25, 1907
Sec. H. & B. American Machine Co., P. O. Box 678, Pawtucket, R. I.		
Marvin, Charles R.	Ac.	Oct. 2, 1913
Utica Willowvale Bleaching Co., 320 Broadway, New York City.		
Mason, Albert G.	Ac.	Apr. 30, 1909
Treas. Whitman Mills, New Bedford, Mass.		
Mason, Frederic R.	Ac.	Sept. 21, 1905
2740 Park Ave., San Diego, California.		
Mason, Henry W.	As.	Apr. 27, 1905
Henry W. Mason & Co., 31 Market Sq., Providence, R. I.		
Mason, Robert D., Co.	Sus.	Nov. 1, 1918
1 Federal St., Boston, Mass.		
Massasoit Mfg. Co.	Sus.	June 20, 1918
P. S. Palmer, Treas., Fall River, Mass.		
Matos, Louis J.	As.	Apr. 30, 1914
National Aniline & Chemical Co., 40 Rector St., New York City.		
Mauran, Frank, Jr.	Ac.	Jan. 17, 1927
Crompton Co., West Warwick, R. I.		
Mayor, John W.	As.	Sept. 30, 1908
Thomas Mayor & Son, 26 Olney St., Providence, R. I.		
Mead, Chas. E.	Ac.	July 15, 1924
Mgr. Cotton Research Co., 1020 Washington St., Boston, Mass.		
Meehan, George V.	Ac.	Apr. 16, 1926
Asst. Treas. Warren Manufacturing Co., Providence, R. I.		
Mellor, Leonard H.	Ac.	Aug. 3, 1921
Supt. National Rhea Co., Putnam, Conn.		
Merchant, John S.	As.	Apr. 30, 1914
Standard Mill Supply Co., P. O. Box 1534, Providence, R. I.		
Merriam, Bernard F.	Ac.	Apr. 25, 1907
Treas. Cordaville Woolen Co., Cordaville, Mass.		
Merrill, Gilbert R.	Ac.	Mar. 4, 1927
Lowell Textile School, Lowell, Mass.		
Merrimack Mfg. Co.	Sus.	May 10, 1917
Ward Thoron, Treas., 53 State St., Boston, Mass.		
Merriman, Chas. H., Jr.	Ac.	Apr. 24, 1895
Manville Co., Providence, R. I.		
Merriman, James G.	Ac.	Sept. 21, 1905
Pres. Oswego Yarn Mills, Inc., Oswego, N. Y.		
Merriman, William H.	Ac.	Sept. 30, 1908
Mgr. Sauquoit Spinning Co., Utica, N. Y.		
Metcalf, Francis	Ac.	May 1, 1925
Supt. Edward Bloom Co., Putnam, Conn.		

		Elected
Metz, Herman A.	Ac.	Apr. 29, 1915
Pres. H. A. Metz & Co., 122 Hudson St., New York City.		
Midgley, Herbert	S.R.	Jan. 22, 1918
Pres. & Gen. Mgr. Howard Bros. Mfg. Co., Worcester, Mass.		
Millar, J. R.	Ac.	Oct. 29, 1918
Gen. Mgr. California Cotton Mills Co., Oakland, Calif.		
Miller, Theodore F.	Ac.	Oct. 4, 1907
Treas. Stead & Miller Co., 4th & Cambria Sts., Philadelphia, Pa.		
Milliken, Albert D.	Ac.	Apr. 25, 1907
Agt. Hamilton Mfg. Co., Lowell, Mass.		
Milliken, Earl L.	S.R.	May 13, 1927
Treas. & Gen. Mgr. The Belamose Corp., Rocky Hill, Conn.		
Milliken, Joseph K.	Ac.	Sept. 23, 1909
Treas. Mount Hope Finishing Co., North Dighton, Mass.		
Milliken, Roscoe S.	Ac.	Apr. 29, 1896
Con. Agt. Nashua Mfg. Co., Nashua, N. H.		
Minnick, John F.	Ac.	Sept. 16, 1916
S. Slater & Sons, Inc., Webster, Mass.		
Minot, Hooper & Co.	Sus.	Jan. 1, 1919
Thomas W. Sloeum, 11 Thomas St., New York City.		
Mitchell, John R.	{ L.	Oct. 18, 1900
Pres. & Treas. Mitchell-Bissell Co., 334 Fourth Ave., New York City.		Apr. 27, 1905
Mitchell, Nathaniel M.	{ L.	Mar. 2, 1922
19 Park St., Easthampton, Mass.		Mar. 2, 1922
Mitchell, Robert L.	Ac.	Aug. 3, 1921
Treas. Beaver Mills, 102 Worth St., New York City.		
Mitchell, William A.	Ac.	Apr. 25, 1907
Treas. Houston Textile Mills, Houston, Texas.		
Moller, Kenneth	Ac.	Apr. 29, 1915
Joseph Baneroff & Sons Co., Wilmington, Del.		
Montgomery, George M.	Ac.	Sept. 22, 1904
Vice Pres. & Sec. The J. R. Montgomery Co., Windsor Locks, Conn.		
Montgomery, J. R.	Ac.	Sept. 29, 1898
Pres. The J. R. Montgomery Co., Windsor Locks, Conn.		
Montgomery, The J. R. Co.	Sus.	July 17, 1917
John R. Montgomery, Pres., Windsor Locks, Conn.		
Moody, Chas. P.	Ac.	Jan. 30, 1925
Supt. Fisher Mfg. Co., Fisherville, Mass.		
Moore, W. F.	{ L.	Mar. 2, 1922
Treas. Hill Mfg. Co., 30 State St., Boston, Mass.		Mar. 2, 1922
Morrill, Ernest L.	Ac.	Apr. 28, 1910
Saco, Me.		
Morris, Edward N.	Ac.	May 3, 1918
The Lawton Mills Corp., 56 Worth St., New York City.		
Morris, Lindsey	As.	May 3, 1921
The Ballinger Co., 12th & Chestnut Sts., Philadelphia, Pa.		
Morrissey, J. F.	Ac.	May 1, 1925
Supt. Interlaken Mills, Harris, R. I.		
Morse Chain Co.	Sus.	Nov. 1, 1920
F. L. Morse, Pres., Ithaca, N. Y.		
John S. White, Boston, Mass.		

		Elected
Morse, F. L.	Pres. Morse Chain Co., Ithaca, N. Y.	S.R. Nov. 1, 1920
Morton, Albert H.	95 Harvard St., Lowell, Mass.	Ac. Oct. 28, 1891
Morton, Charles	32 Garden St., Pawtucket, R. I.	Ac. May 3, 1918
Morton, William E.	Prof. of Textiles, College of Technology, Manchester, Eng.	Ac. Oct. 14, 1926
Moss, John W.	Supt. Bourne Mills, Fall River, Mass.	Ac. Dec. 6, 1926
Motley, Edward	Curtis & Sanger, 33 Congress St., Boston, Mass.	As. Apr. 29, 1915
Mowry, Harold	Mgr. Sterling Branch, U. S. Finishing Co., Sterling, Conn.	Ac. Apr. 27, 1905
Mulligan, Robert	Treas. J. W. Starkweather Co., 234 Hospital Trust Bldg., Providence, R. I.	As. May 13, 1927
Munro, James, Jr.	c/o J. H. Hanaford, 89 State St., Boston, Mass.	As. Oct. 5, 1920
Murphy, Wilfred C.	Pres. & Treas. Providence Mill Supply Co., 68 West Exchange St., Providence, R. I.	As. Mar. 2, 1923
Murray, Joseph D.	Asst. Treas. Holmes Mfg. Co., New Bedford, Mass.	Ac. Apr. 16, 1926
Murti, E. N.	Tanuku, West Godarari Dist., Pres'y Madras, India.	{ L. Apr. 25, 1912 Apr. 25, 1912
Nashua Mfg. Co.	Frederick Amory, Treas., 48 Franklin St., Boston, Mass.	Sus. Aug. 11, 1917
National Aniline & Chemical Co.	W. M. Vermilye, Executive Vice Pres., 40 Rector St., New York City.	Sus. Jan. 17, 1918
Naumkeag Steam Cotton Co.	Ernest M. Hood, Treas., Salem, Mass.	Sus. Aug. 2, 1917
Neff, Robert W.	22 India Sq., Boston, Mass.	{ L. Apr. 24, 1902 Apr. 28, 1904
Neild, Eli	Asst. Supt. Nashawena Mills, New Bedford, Mass.	Ac. June 14, 1926
Neild, Frank I.	Pres. Neild Mfg. Corp., New Bedford, Mass.	Ac. May 3, 1918
Nelson, E. K.	Pres. Ridley Park National Bank, Ridley Park, Philadelphia, Pa.	{ L. May 3, 1918 June 15, 1918
Nelson, Nils V.	N. V. Nelson & Co., 220 Devonshire St., Boston, Mass.	As. Oct. 14, 1927
New Bedford Spinning Co.	John Catterall, Agent, New Bedford, Mass.	Sus. Apr. 16, 1926
Newburger, Samuel	Samuel Newburger & Co., 60 Beaver St., New York City.	As. May 4, 1920
Newell, A. W.	Sec. Hazard Cotton Co., P. O. Box 1394, Providence, R. I.	As. May 5, 1919
Newell, Charles H.	Asst. Treas. Baltic Mills Co., 510 Turks Head Bldg., Providence, R. I.	Ac. Dec. 1, 1921

			Elected
New England Southern Mills		Sus.	Nov. 5, 1917
S. Harold Greene, Pres., 24 Federal St., Boston, Mass.			
Newington, John		As.	Apr. 16, 1926
25 Centre St., New Bedford, Mass.			
Newmarket Mfg. Co.		Sus.	Dec. 16, 1918
Charles Walcott, Treas., 87 Milk St., Boston, Mass.			
Newport Chemical Wks., Inc.		Sus.	Nov. 10, 1919
Elvin H. Killheffer, Vice Pres., Passaic, N. J.			
Newton, Henry Arthur		Ac.	Apr. 24, 1923
Supt. Pacific Mills, Cohecho Dept., Dover, N. H.			
Newton, Jewett B.		Ac.	Mar. 4, 1927
Androscoggin Mills, 77 Franklin St., Boston, Mass.			
Newton, J. Edward		Ac.	Sept. 16, 1916
Treas. Barnard Mfg. Co., Fall River, Mass.			
New York Mills Corp.		Sus.	Feb. 10, 1920
A. F. Hobbs, Vice Pres., New York Mills, N. Y.			
Nichols, Burt F.		As.	Dec. 5, 1918
H. D. Walbridge Co., 14 Wall St., New York City.			
Nichols, Charles B.		Ac.	Oct. 14, 1925
Treas. Thorndike Co., 24 Milk St., Boston, Mass.			
Nichols, George		Ac.	Sept. 11, 1916
Minot, Hooper & Co., 11 Thomas St., New York City.			
Nichols, George		S.R.	Dec. 5, 1918
Treas. Dwight Mfg. Co., Chicopee, Mass.			
Nichols, Henry G.		Ac.	June 1, 1923
Treas. Otis Co., 24 Milk St., Boston, Mass.			
Nichols, Henry W.		Ac.	Oct. 20, 1917
Principal, Bradford Durfee Textile School, Durfee and Banks Sts., Fall River, Mass.			
Nichols, Howard S. O.		Ac.	Sept. 29, 1911
Treas. Great Falls Mfg. Co., 53 State St., Boston, Mass.			
Nichols, Rodman A.		As.	May 3, 1918
Nichols & Read, 73 Water St., Boston, Mass.			
Nichols, William G.		Ac.	Oct. 25, 1893
Vice Pres. & Gen. Mgr. Griffin Mfg. Co., Griffin, Ga.			
Nivling, W. A.		As.	May 4, 1920
Huron Milling Co., 73 Tremont St., Boston, Mass.			
Noone, Albert W.		Ac.	Sept. 26, 1901
Joseph Noone's Sons Co., Peterboro, N. H.			
Norton, Arthur L.		As.	June 19, 1919
Special Products Co., 261 Franklin St., Boston, Mass.			
Nyanza Mills		Sus.	Jan. 14, 1919
Nathaniel F. Ayer, Treas., 77 Franklin St., Boston, Mass.			
Odenheimer, S.		Ac.	Oct. 25, 1893
Pres. Lane Cotton Mills Co., New Orleans, La.			
O'Donnell, Joseph J.		As.	Apr. 15, 1927
P. T. Jackson Co., 41 Pearl St., Boston, Mass.			
O'Leary, Arthur L.		As.	Apr. 16, 1926
Treas. Lambeth Rope Corp., P.O. Box 760, New Bedford, Mass.			

		Elected	
O'Malley, Charles J.	Pres. O'Malley Advertising & Selling Co., 244 Washington St., Boston, Mass.	{ L.	Apr. 24, 1913 Sept. 7, 1913
O'Meara, James J.	Supt. Fitchburg Yarn Company, Fitchburg, Mass.	Ac.	Nov. 13, 1924
Osborn, James E.	Treas. Merchants Mfg. Co., Fall River, Mass.	Ac.	Apr. 27, 1916
Oswald, John G.	Agt. Nyanza Mills, Woonsocket, R. I.	Ac.	June 1, 1923
Otis Company	Henry G. Nichols, Treas., 24 Milk St., Boston, Mass.	Sus.	Nov. 12, 1917
Otto, Henry	General Mgr. & Asst. Treas. The Ninigret Co., Pawtucket, R. I.	Ac.	May 3, 1921
Otto, Hans	c/o Heinrich Otto, Heichenbach, a.d. Fils, Wuerttemberg, Germany.	Ac.	Oct. 3, 1924
Owen, Charles D.	Treas. Beacon Mfg. Co., New Bedford, Mass.	S.R.	Nov. 7, 1917
Owen, Harry C.	Vice Pres. Industrial Trust Co., Providence, R. I.	As.	May 1, 1925
Pacific Mills	Edwin Farnham Greene, Treas., 24 Federal St., Boston, Mass.	Sus.	May 18, 1917
Paige, Walter H.	Supt. Maverick Mills, E. Boston, Mass.	Ac.	Nov. 23, 1925
Paine, Sidney B.¹	59 Hancock St., Auburndale, Mass.	Hon.	Apr. 16, 1926
Paine, Sidney L.	8 Cliff Street, Winchester, Mass.	Tech.	Apr. 15, 1927
Paine, Sidney S.	Pres. The Textile Development Co., 80 Federal St., Boston, Mass.	Ac.	Apr. 27, 1916
Palmer, Edward E.	General Electric Co., 84 State St., Boston, Mass.	As.	June 2, 1922
Palmer, P. S.	Treas. Massasoit Mfg. Co., Fall River, Mass.	S.R.	June 20, 1918
Palmer, Townsend	Sec.-Treas. The I. E. Palmer Co., Middletown, Conn.	Ac.	Apr. 30, 1909
Park, Clifton D.	The Cooling & Air Conditioning Corp., 31 Union Sq., West, New York City.	As.	Oct. 29, 1918
Parker, J. Earle	Treas. Acadia Mills, 78 Chauncy St., Boston, Mass.	Ac.	Feb. 2, 1923
Parker, Wilder & Co.	Wm. D. Judson, 78 Leonard St., New York City.	Sus.	Nov. 23, 1918
Parker, Winthrop	Supt. Cotton Mfg. Amoskeag Mfg. Co., Manchester, N. H.	Ac.	Sept. 30, 1908
Parkhill Division of the Amoskeag Mfg. Co.	Warner M. Allen, Asst. Treas., Fitchburg, Mass.	Sus.	May 11, 1917
Parks-Cramer Co.	R. S. Parks, Treas., Fitchburg, Mass.	Sus.	May 11, 1917
Parks, R. S.	Parks-Cramer Co., Fitchburg, Mass.	S.R.	May 11, 1917

¹ Member of the Association since April 24, 1895.

		Elected
Parsons, Brackett	Ac.	Apr. 24, 1923
Asst. to Treas. Ipswich Mills, Ipswich, Mass.		
Parsons, Winslow A.	Ac.	May 3, 1918
Treas. Richmond Lace Wks., 60 Congress St., Boston, Mass.		
Patterson, John L.	Ac.	Apr. 13, 1911
P. O. Box 1481, Richmond, Va.		
Payne, George F.	Ac.	Apr. 28, 1910
172 So. Main St., Putnam, Conn.		
Payson, C. C.	As.	Sept. 30, 1914
Clark, Payson & Co., 19 Pearl St., Boston, Mass.		
Peabody, W. Rodman	S.R.	Aug. 1, 1923
Treas. Suncook Mills, 70 State St., Boston, Mass.		
Pearson, John A.	Ac.	Apr. 30, 1914
The Esmond Mills, 21 East 26th St., New York City.		
Peck, Edwin R.	Ac.	June 14, 1926
Vice Pres. Gardiner Hall, Jr. Co., South Willington, Conn.		
Pedler, William A.	Ac.	Apr. 30, 1914
Agt. Acadia Mills, Lawrence, Mass.		
Pennock, Gilbert V.	As.	Sept. 11, 1915
Eustis, Pennoek & Co., 118 Old Colony Ave., Wollaston, Mass.		
Pepler, Herbert H.	Ac.	June 5, 1925
Agt. Paco Mfg. Co., Danielson, Conn.		
Pepperell Mfg. Co.	Sus.	Dec. 17, 1917
Russell H. Leonard, Treas., 160 State St., Boston, Mass.		
Pepperell, William S.	Ac.	Mar. 2, 1922
Treas. Warren Mfg. Co., P. O. Box 1384, Providence, R. I.		
Perkins, Allan M.	S.R.	Sept. 5, 1917
Treas. Renfrew Mfg. Co., Adams, Mass.		
Perkins, John A.	Ac.	Apr. 28, 1910
Agt. Harmony Mills, Cohoes, New York.		
Perkins, Ralph C.	Ac.	Apr. 28, 1910
Stafford Mills, Fall River, Mass.		
Peugnet, Ramsay	Ac.	Apr. 17, 1908
Sec. & Treas. U. S. Testing Co., Inc., 340 Hudson St., New York City.		
Phillips, William D.	Ac.	Apr. 30, 1914
Supt. Naumkeag Steam Cotton Co., 347 Lafayette St., Salem, Mass.		
Pierce, Albert R.	Ac.	Oct. 5, 1899
Supt. Pierce Mfg. Corp., New Bedford, Mass.		
Pierce, Andrew G., Jr.	Ac.	Apr. 23, 1895
Treas. Pierce Mfg. Corp., P. O. Box 733, New Bedford, Mass.		
Pierce Mfg. Corp.	Sus.	Dec. 3, 1917
Andrew G. Pierce, Jr., Treas., New Bedford, Mass.		
Piggott, E. B. G.	S.R.	Jan. 28, 1919
Asst. Treas. Waypoysset Mfg. Co., Central Falls, R. I.		
Pilgrim Mills	Sus.	July 17, 1917
Arthur C. Homer, Treas., Fall River, Mass.		
Pinckney, Henry R.	Ac.	June 14, 1926
Supt. Lincoln Bleachery & Dye Works, Lonsdale, R. I.		
Pingree, A. E.	Ac.	Apr. 4, 1924
Supt. Ponemah Mills, Taftville, Conn.		

			Elected
Pond Lily Co., The			Aug. 21, 1917
William C. Harmon, Pres., New Haven, Conn.	Sus.		
Ponemah Mills			Mar. 18, 1918
J. Arthur Atwood, Treas., 930 Hospital Trust Bldg., Providence, R. I.	Sus.		
Porteous, John			May 3, 1918
Pres. The Lawton Mills Corp., Plainfield, Conn.	Ac.		
Potomska Mills Corp.			Nov. 21, 1918
Chas. E. Brady, Treas., New Bedford, Mass.	Sus.		
Potter, Carl H.			Nov. 5, 1918
Res. Mgr., Green River Mfg. Co., Tuxedo, N. C.	Ac.		
Potter, Charles H.			Apr. 25, 1901
Gen. Supt. The Montreal Cottons, Ltd., Valleyfield, Quebec, Canada.	Ac.		
Pratt, Edward S.			Apr. 26, 1917
Vice Pres. Samson Cordage Wks., 88 Broad St., Boston, Mass.	Ac.		
Prentice, Robert W.			Apr. 24, 1913
Treas. Butler, Prentice & Co., Inc., 320 Broadway, New York City.	Ac.		
Prest, George E.			Apr. 24, 1902
Agt. Suncook Mills, Suncook, N. H.	Ac.		
Pritchett, Henry Smith, LL.D.			Sept. 26, 1901
The Carnegie Foundation, 522 Fifth Ave., New York City.	Hon.		
Prosser, Isaac T.			Apr. 25, 1912
Mgr. Chicopee Mfg. Corp., Chicopee Falls, Mass.	Ac.		
Puckett, Henry B.			Oct. 14, 1926
Asst. Treas. Goodyear Cotton Mills, Inc., Goodyear, Conn.	Ac.		
Queen City Cotton Co.			Apr. 24, 1918
Andrew McLean Young, Treas., Burlington, Vt.	Sus.		
Quinebaug Co., The			Sept. 10, 1918
Frank B. Ricketson, Asst. Treas., Danielson, Conn.	Sus.		
Quinn, Frederick J.			Apr. 26, 1906
Treas. Atlas Yarn Co., 161 Devonshire St., Boston, Mass.	Ac.		
Quinn, Patrick H.			May 3, 1918
Treas. Warwick Lace Wks., Riverpoint, R. I.	Ac.		
Quinton, W. W.			July 15, 1923
Agt. Lockwood Co., Waterville, Me.	Ac.		
Quissett Mill			Feb. 9, 1918
Edward H. Cook, Treas., New Bedford, Mass.	Sus.		
Rae, Benjamin G.			Apr. 29, 1915
Treas. Futurity Thread Co., 80 Bridge St., Newton, Mass.	Ac.		
Raeber, Karl, Jr.			Jan. 17, 1927
R. F. D. No. 1, Apponaug, R. I.	Jr. Tech.		
Raeburn, Andrew			Apr. 24, 1923
Sec. New Bedford Cotton Mfrs. Assn., Masonic Bldg., New Bedford, Mass.	Ac.		
Ramsdell, Theodore E.			Apr. 23, 1903
Agt. Monument Mills, Housatonic, Mass.	Ac.		
Rawlinson, M. A.			Apr. 24, 1895
Agt. Tremont and Suffolk Mills, Lowell, Mass.	Ac.		

		Elected
Raymond, Charles P.	As.	Apr. 29, 1915
Chas. P. Raymond Textile Service, Inc., 294 Washington St., Boston, Mass.		
Read, Charles O.	Ac.	Sept. 21, 1905
Pres. Sayles Finishing Plants, 63 Summit St., Pawtucket, R. I.		
Reardon, John F.	Ac.	Sept. 8, 1922
Agt. Grosvenor-Dale Co., No. Grosvenor-Dale, Conn.		
Redman, H. Stewart	Ac.	Apr. 27, 1916
Agt. Palmer Mills, Three Rivers, Mass.		
Renfrew Mfg. Co.	Sus.	Sept. 5, 1917
Allan M. Perkins, Treas., Adams, Mass.		
Rennie, T. H.	Ac.	Oct. 18, 1900
Vice Pres. Avondale Mill, Pell City, Ala.		
Reoch, Robert A. S.	Ac.	Sept. 17, 1910
Supt. Pacific Mills, Print Works Dept., Lawrence, Mass.		
Reynolds, Arthur W.	As.	June 14, 1926
Lockwood, Greene & Co., Inc., 24 Federal St., Boston, Mass.		
Reynolds, Frank W.	S.R.	Sept. 27, 1917
Vice Pres. Lockwood, Greene & Co., Inc., Boston, Mass.		
Reynolds, Frederic W.	Ac.	Apr. 26, 1900
25 Walnut St., Stoughton, Mass.		
Rice, Raymond A.	Ac.	Oct. 20, 1917
Treas. Southbridge Printing Co., Southbridge, Mass.		
Richardson, Charles O.	Ac.	Apr. 25, 1912
Treas. Warwick Mills, 201 Devonshire St., Boston, Mass.		
Richardson, E. R.	Ac.	Apr. 13, 1911
Treas. H & B American Machine Co., P. O. Box 678, Pawtucket, R. I.		
Richardson, Harry	Ac.	Nov. 3, 1921
Supt. Aldrich Bros. Co., Moosup, Conn.		
Richmond, Lawrence	Ac.	Jan. 30, 1925
Asst. Treas. Crompton Company, Arctic, R. I.		
Ricketson, Frank B.	Ac.	Apr. 13, 1911
Asst. Treas. The Quinebaug Co., Providence, R. I.		
Riley, Charles E.	Ac.	Apr. 25, 1888
Pres. H & B American Machine Co., 161 Devonshire St., Boston, Mass.		
Riley, Richard G.	Ac.	Apr. 25, 1907
Supt. King Philip Mills, Fall River, Mass.		
Ritter, William H.	{ L.	May 3, 1918
Asst. Sec. Chicopee Mfg. Corp., 266 George St., New Brunswick, N. J.		June 15, 1918
Rivinius, George A.	As.	Jan. 11, 1924
G. A. Rivinius & Co., 53 State St., Boston, Mass.		
Robbins, Charles H.	Ac.	May 3, 1918
Supt. Manomet Mill, No. 4, New Bedford, Mass.		
Roberts, George N.	S.R.	June 6, 1917
Vice Pres. Bemis Bro. Bag Co., Boston, Mass.		
Roberts, Joseph	Ac.	May 3, 1918
P. O. Box 309, Fall River, Mass.		
Robertson, George W.	Ac.	Apr. 26, 1906
Gen. Supt. Riverside & Dan River Cotton Mills, Danville, Va.		

Robertson, William H.		Elected
Treas. The Robertson Bleachery & Dye Wks., Inc., New Milford, Conn.	Ac.	Sept. 16, 1916
Robinson, C. M.		
Agt. The Wauregan Co., Wauregan, Conn.	Ac.	June 29, 1920
Rockwell, Foster		
Bankers Trust Company, New York City.	As.	Mar. 6, 1925
Rockwood, George I.		
Rockwood Sprinkler Co., 38-56 Harlow St., Worcester, Mass.	{ L.	Apr. 25, 1901 Apr. 25, 1901
Rodman, Lee		
Pres. & Treas. Indiana Cotton Mills, Cannelton, Ind.	Ac.	Sept. 17, 1910
Rogers, Leon B.		
Treas. Rogers Fibre Co., 121 Beach St., Boston, Mass.	As.	Oct. 19, 1917
Rooney, George W.		
Supt. New Hampshire Spinning Mills, 31 Canal St., Penacook, N. H.	Ac.	Sept. 30, 1914
Rousmaniere, John E.		
Lawrence & Co., 24 Thomas St., New York City.	Ac.	Apr. 13, 1911
Rowe, F. E., Jr.		
Saco-Lowell Shops, 147 Milk St., Boston, Mass.	As.	Apr. 24, 1923
Rowley, Frank G.		
260 Central Ave., Pawtucket, R. I.	{ L.	Oct. 20, 1917 Nov. 20, 1917
Royal Mfg. Co.		
Ira A. Stone, Vice Pres., Rahway, N. J.	Sus.	Nov. 13, 1924
Rudloff, John A.		
Whitman Mills, New Bedford, Mass.	Ac.	June 5, 1925
Rusden, E. A.		
Pres. The Textile-Finishing Machinery Co., 83 Exchange Pl., Providence, R. I.	As.	Sept. 21, 1905
Russell, Howard I.		
Treas. & Mgr. Russell Mfg. Co., Manchester, N. H.	Ac.	Apr. 13, 1911
Saco-Lowell Shops		
D. F. Edward, Pres., 147 Milk St., Boston, Mass.	Sus.	May 18, 1917
Safford, Arthur Truman		
66 Broadway, Lowell, Mass.	Ac.	Nov. 12, 1919
Sagar, Alfred		
Treas. Bolton Worsted Mill, Inc., Methuen, Mass.	Ac.	Apr. 24, 1902
St. Amant, George W.		
141 Milk St., Boston, Mass.	As.	Oct. 4, 1907
Salisbury, Everett E.		
Agt. Atlantic Mills, Providence, R. I.	Ac.	Sept. 30, 1908
Sanborn, W. K.		
Supt. American Net & Twine Co., R. W. Lord Mill, West Kennebunk, Me.	Ac.	Apr. 25, 1907
Sanderson & Porter		
F. G. Coburn, Mgr., 52 William St., New York City.	Sus.	Dec. 7, 1923
Sands, Harold A.		
McFadden, Sands & Co., 115 Chestnut St., Philadelphia, Pa.	As.	Apr. 29, 1915
Sanford, Pardon B.		
Supt. Chalmers Knitting Co., Amsterdam, N. Y.	Ac.	Oct. 2, 1902
Schaellibaum, Robert		
310 N. Church St., Charlotte, N. C.	{ L.	Sept. 22, 1904 Sept. 22, 1907

		Elected
Schloss, Frederick H.	Ac.	Jan. 11, 1926
Pres. & Gen. Mgr. Darlington Textile Co., Pawtucket, R. I.		
Schofield, James	Ac.	May 4, 1920
89 Broad St., Valley Falls, R. I.		
Scott, Albert L.	Ac.	Sept. 11, 1912
Vice Pres. Lockwood, Greene & Co., Inc., 24 Federal St., Boston, Mass.		
Scott, David C.	As.	May 4, 1920
Henry L. Scott & Co., P. O. Box 963, Providence, R. I.		
Seabury, Arthur G.	As.	Apr. 16, 1926
Treas. New Bedford Shuttle Co., New Bedford, Mass.		
Seabury, Dwight	As.	Apr. 25, 1901
Dwight Seabury Co., 12 East Ave., Pawtucket, R. I.		
Seaton, Thomas J.	Ac.	Nov. 1, 1923
Vice Pres. & Supt. The Floyd Cranska Co., Moosup, Conn.		
Sergeson, Allan M.	As.	June 5, 1925
R. Sergeson & Co., Philadelphia, Pa.		
Shaw, A. F.	S.R.	June 14, 1926
Pres. Greenville Finishing Co., Greenville, R. I.		
Shaw, Benjamin C.	Ac.	Oct. 29, 1918
Asst. Agt. Boston Duck Mills of the Otis Co., Bondsville, Mass.		
Shaw, John F.	Ac.	Apr. 16, 1926
Supt. Great Falls Mfg. Co., Somersworth, N. H.		
Shawmut Mills	Sus.	Dec. 3, 1918
Richard B. Chace, Treas., Fall River, Mass.		
Sheldon, Arthur N.	As.	Sept. 13, 1906
F. P. Sheldon & Son, 1009 Hospital Trust Bldg., Providence, R. I.		
Shelters, Ernest E.	Ac.	Apr. 30, 1909
14 Stevens St., Lowell, Mass.		
Shove, W. Frank	Ac.	Sept. 22, 1904
Treas. Pocasset Mfg. Co., Fall River, Mass.		
Sigourney, Henry L.	S.R.	Dec. 5, 1918
Asst. Treas., Lyman Mills, Holyoke, Mass.		
Simonds, Henry G.	Ac.	Apr. 16, 1926
Pacific Mills, 24 Federal St., Boston, Mass.		
Simonds, Nathaniel G.	Ac.	Apr. 27, 1898
Naumkeag Steam Cotton Co., Salem, Mass.		
Sinclair, James	S.R.	Jan. 14, 1919
Treas. Charlton Mills, Fall River, Mass.		
Skinner, John	Ac.	Apr. 26, 1906
Treas. Harmony Mills, Cohoes, N. Y.		
Slade, Abbott E.	Ac.	Oct. 25, 1893
863 High St., Fall River, Mass.		
Slater, H. Nelson	S.R.	June 6, 1924
Pres. S. Slater & Sons, Inc., Webster, Mass.		
Slater, S., & Sons, Inc.	Sus.	June 6, 1924
H. Nelson Slater, Pres., 45 E. 17th St., New York City.		
Slocum, Charles P.	S.R.	Mar. 2, 1918
Corn Products Refining Co., 47 Farnsworth St., Boston, Mass.		
Slocum, Thomas W.	S.R.	Jan. 1, 1919
Minot, Hooper & Co., 11 Thomas St., New York City.		

	Elected
Smith, Abbott M. 420 Acushnet Ave., New Bedford, Mass.	As. Apr. 24, 1923
Smith, Abbott P. 791 Purchase St., New Bedford, Mass.	As. Sept. 13, 1906
Smith, Albert E. Agt. New Bedford & Agawam Finishing Co., East Wareham, Mass.	Ac. Dec. 7, 1923
Smith, Albert G. Agt. Grant Yarn Co., Fitchburg, Mass.	Ac. Apr. 30, 1909
Smith, Alphonso H. Prop. Slocum & Kilburn, 23-27 No. Water St., New Bedford, Mass.	As. Apr. 6, 1923
Smith, Archer J. Pres. The American Mills Co., Waterbury, Conn.	Ac. Apr. 26, 1906
Smith, D. Allen Mgr. Alexander Sprunt & Son., Inc., 45 Franklin St., Boston, Mass.	S.R. Oct. 18, 1923
Smith, Frederick K. Supt. Cotton Dept., Ipswich Mills, Ipswich, Mass.	Ac. Apr. 24, 1923
Smith, Henry Kay 500 East 6th St., Jamestown, N. Y.	{ Oct. 4, 1907 L. Jan. 17, 1927
Smith, J. Foster Agt. Naumkeag Steam Cotton Co., Salem, Mass.	Ac. May 3, 1918
Smith, Joseph J. Firth-Smith Co., P. O. Box 5114, Boston, Mass.	As. Sept. 11, 1912
Smith, Robert P. Smith, Drum & Co., Alleghany Ave. & 5th St., Philadelphia, Pa.	As. Apr. 24, 1923
Smith, Thomas Henry 500 East 6th St., Jamestown, N. Y.	Ac. Apr. 30, 1884
Smith, William Prin. New Bedford Textile School, New Bedford, Mass.	Ac. May 3, 1921
Smyth, Ellison A. Hendersonville, N. C.	Ac. Apr. 13, 1911
Sneddon, George Supt. Grinnell Mfg. Corp., New Bedford, Mass.	Ac. Apr. 25, 1912
Sommaripa, Alexis Dupont Rayon Co., Buffalo, N. Y.	Ac. July 30, 1926
Soucy, Ernest W. Atlas Plywood Corp., 934 Park Square Bldg., Boston, Mass.	As. Apr. 6, 1923
Soule Mill Fred H. McDevitt, Agent, New Bedford, Mass.	Sus. Nov. 27, 1918
Soule, Rufus A., Jr. Treas. Soule Mill, New Bedford, Mass.	Ac. Apr. 26, 1906
Southworth, Irving Agt. Pacific Mills, Lawrence, Mass.	Ac. Apr. 13, 1911
Spence, Henry C. Indian Orchard, Mass.	As. Apr. 24, 1895
Spencer, Antonio Pres. U. S. Ring Traveler Co., 341 Butler Exchange Bldg., Providence, R. I.	Ac. May 3, 1918
Spofford, George E. Pres. Langley Mills, Langley, S. C.	Ac. Apr. 29, 1896
Sprunt, Alexander, & Co. of Boston, Inc. D. Allen Smith, Mgr., 45 Franklin St., Boston, Mass.	Sus. Oct. 18, 1923

		Elected
Stackhouse, Clarence D.	Geo. H. McFadden & Bros., Providence, R. I.	As. Nov. 13, 1924
Stafford Co., The	George P. Erhard, Pres., Readville, Mass.	Sus. Apr. 1, 1918
Stanton, J. E., Jr.	Treas. Hathaway Mfg. Co., New Bedford, Mass.	S.R. Nov. 21, 1918
Staples, Willard F.	Wamsutta Mills, New Bedford, Mass.	Ac. Apr. 16, 1926
Stark Mills	F. Hartwell Greene, Treas., 24 Federal St., Boston, Mass.	Sus. June 1, 1923
Stearns, George R.	Pres. Riverside Mills, Augusta, Ga.	Ac. Apr. 30, 1890
Stearns, Walter H.	P. O. Box 475, Pawtucket, R. I.	Ac. May 5, 1922
Steele, Fred W.	Treas. Tremont & Suffolk Mills, 141 Milk St., Boston, Mass.	Ac. Sept. 11, 1912
Steele, George F.	Dist. Mgr. P. & M. Dept., General Electric Co., 84 State St., Boston, Mass.	As. Sept. 17, 1910
Steere, Robert E.	Supt. Lorraine Mfg. Co., Pawtucket, R. I.	Ac. July 10, 1925
Steere, Samuel A.	Mgr. Cotton & Fabric Div., The Goodyear Tire & Rubber Co., Akron, Ohio.	Ac. Oct. 5, 1920
Steinbach, Winthrop E.	1 Hopson St., Utica, N. Y.	Ac. Aug. 3, 1921
Stevens, Dexter	Mgr. The Esmond Mills, Esmond, R. I.	Ac. Apr. 25, 1907
Stevens, John A.	Consulting Engineer, 16 Shattuck St., Lowell, Mass.	Ac. Apr. 25, 1907
Stevens Mfg. Co.	Charles B. Chase, Gen. Mgr., Fall River, Mass.	Sus. Aug. 20, 1917
Stevenson, T. B.	Gen. Mgr. The Henrietta Mills, Caroleen, N. C.	Ac. Apr. 26, 1900
Stewart, Samuel	Agt. Bates Mfg. Co., Lewiston, Me.	Ac. Apr. 23, 1903
Stiles, Walter F.	Treas. Orswell Mills, Fitchburg, Mass.	Ac. Sept. 23, 1909
Stimpson, Wallace I.	Agt. Draper Corp., Hopedale, Mass.	As. Sept. 21, 1905
Stoddard, Wallace E.	Asst. Treas. Berkshire Cotton Mfg. Co., Adams, Mass.	Ac. June 29, 1920
Stokes, Edward C.	P. O. Box 131, Trenton, N. J.	Hon. Sept. 21, 1905
Stone, Ira A.	Vice Pres. Royal Mfg. Co., Rahway, N. J.	S.R. Nov. 13, 1924
Stone, Kenneth G.	Dana Warp Mills, Westbrook, Me.	Ac. Apr. 15, 1927
Stone, Malcolm B.	Treas. Ludlow Mfg. Associates, 80 Federal St., Boston, Mass.	Ac. Apr. 25, 1912
Storrow, Charles & Co.	Edward C. Storrow, 692 Exchange Bldg., Boston, Mass.	Sus. Mar. 6, 1925

		Elected
Storrow, E. C.	Charles Storrow & Co, 602 Exchange Bldg., Boston, Mass.	S.R. Mar. 6, 1925
Strang, James	Saco-Lowell Shops, 147 Milk St., Boston, Mass.	As. Oct. 28, 1897
Straw, Herman F.	Cons. Engineer, Amoskeag Mfg. Co., Manchester, N. H.	Ac. Oct. 28, 1885
Straw, William Parker	Agt. Amoskeag Mfg. Co., Manchester, N. H.	Ac. Oct. 4, 1907
Strongman, John B.	Treas. City Mfg. Corp., New Bedford, Mass.	Ac. Apr. 26, 1917
Sturtevant, Harold B.	Asst. Supt. Bellman Brook Bleaching Co., Fairview, N. J.	Ac. Oct. 3, 1924
Sullivan, John	Agt. Taber Mill, New Bedford, Mass.	Ac. Apr. 27, 1899
Sullivan, Timothy,	314 Cory St., Fall River, Mass.	Ac. Apr. 27, 1899
Summersby, George	Amory, Browne & Co., 48 Franklin St., Boston, Mass.	Ac. Sept. 21, 1925
Suncock Mills	W. Rodman Peabody, Treas., 70 State St., Boston, Mass.	Sus. Aug. 1, 1923
Sweet, Chas. A.	Wellington, Sears & Co., 93 Franklin St., Boston, Mass.	Ac. Sept. 21, 1925
Sweetser, John A.	Pres. Bigelow, Hartford Carpet Co., 385 Madison Ave., New York City.	Ac. June 5, 1925
Swift, Arthur Clinton	Gen. Mgr. Sharp Manufacturing Co., New Bedford, Mass.	Ac. Apr. 6, 1923
Swift, E. Kent	Treas. Whitin Machine Works, Whitinsville, Mass.	S.R. Nov. 1, 1918
Swcpe, Geiard	Pres. General Electric Co., 120 Broadway, New York City.	S.R. May 24, 1917
Taber, Frederick	Pres. Taber Mill, New Bedford, Mass.	Ac. Apr. 26, 1906
Taber Mill	John Sullivan, Agent, New Bedford, Mass.	Sus. May 17, 1917
Tabor, Charles A.	Agent, Thorndike Co., West Warren, Mass.	Ac. Apr. 27, 1905
Taft, Royal C.	Treas. Coventry Co., P. O. Box 1364, Providence, R. I.	Ac. May 13, 1927
Takatsuji, Narazo	Karasumaru-dori Imadegawaagaru, Kyōto, Japan.	Ac. Apr. 17, 1908
Tarr, Henry M.	Traffic Mgr. Textile Traffic Assn., 13 Market Sq., Providence, R. I.	Ac. June 2, 1922
Taylor, Daniel L.	Traffic Mgr. Pacific Mills, 24 Federal St., Boston, Mass.	Ac. June 2, 1922
Taylor, Havila B.	Supt. Cotton Dept. Pacific Mills, 193 Bailey St., Lawrence, Mass.	Ac. Oct. 29, 1918
Taylor, James W.	Agt. Fuld & Hatch Knitting Co., P. O. Box 144, Cohoes, N. Y.	Ac. Oct. 26, 1892

			Elected	
Taylor, Samuel	Supt. Bristol Mfg. Co., New Bedford, Mass.	Ac.	Oct. 1, 1903	
Tenney, George A.	Treas. Monadnock Mills, Claremont, N. H.	Ac.	Sept. 29, 1911	
Textile Development Co., The	Sidney S. Paine, Pres., 80 Federal St., Boston, Mass.	Sus.	May 1, 1925	
Thatcher, Albert G.	Chairman of Board, Standard-Coosa-Thatcher Co., Philadelphia, Pa.	Ac.	Apr. 27, 1916	
Thayer, Gay D.	15 Irving St., Worcester, Mass.	As.	Apr. 25, 1907	
Thayer, Nathaniel N.	Barry, Thayer & Co., 30 Kilby St., Boston, Mass.	As.	Apr. 13, 1911	
Thoma, M. Frederick	Fitchburg Yarn Co., 520 Main St., Fitchburg, Mass.	Ac.	Jan. 17, 1927	
Thomas, Isaac R.	Mgr. George H. McFadden & Bro., 211 Congress St., Boston, Mass.	S.R.	Oct. 29, 1918	
Thomas, Norman T.	Agent, Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y.	Ac.	Oct. 16, 1919	
Thompson, Albert W.	Parks-Cramer Co., 1102 Old South Bldg., Boston, Mass.	Ac.	Apr. 30, 1909	
Thompson, Gilbert T.	Treas. Berkshire Cotton Mfg. Co., Adams, Mass.	Ac.	Apr. 30, 1914	
Thompson, Henry B.	Pres. U. S. Finishing Co., 320 Broadway, New York City.	Ac.	May 3, 1918	
Thompson, James O., Jr.	Agt. New Bedford Cotton Mills Corp., New Bedford, Mass.	Ac.	Oct. 18, 1900	
Thompson, Philip E.	44 Maple St., New Bedford, Mass.	Ac.	Feb. 5, 1926	
Thomson, Charles R.	Asst. Treas. Solway Dyeing & Textile Co., 222 Central Ave., Pawtucket, R. I.	Ac.	Apr. 27, 1905	
Thomson, James	Asst. Treas. Dwight Mfg. Co., 53 State St., Boston, Mass.	Ac.	Apr. 25, 1907	
Thoron, Ward	Treas. Merrimack Mfg. Co., P. O. Box 5209, Boston, Mass.	Ac.	May 4, 1920	
Tift, Emerson B.	Asst. Supt. Harmony Mills, Cohoes, N. Y.	Ac.	Mar. 7, 1924	
Tilton, Newell W.	Harding, Tilton & Co., 50 Union Sq., New York City.	S.R.	Dec. 17, 1917	
Tobin, John E.	Ponemah Mills, Taftville, Conn.	Ac.	June 4, 1919	
Todd, W. O.	Pres. & Treas. Pocasset Worsted Co., Inc., Thornton, R. I.	Ac.	Oct. 18, 1900	
Totokett Mfg. Co.	Calvin H. Frisbie, Pres., Versailles, Conn.	Sus.	July 20, 1918	
Tourtellot, Carl T.	Agt. Renfrew Mfg. Co., Adams, Mass.	Ac.	Oct. 29, 1918	
Towne, George W.	62 Salem St., North Andover, Mass.	Ac.	Oct. 26, 1892	
Troy Cotton & Woolen Manufactory	J. Edward Newton, Treas., Fall River, Mass.	Sus.	Sept. 10, 1918	

		Elected
Tuck, Parker	Supt. Houston Textile Mills, Houston, Tex.	Ac. Feb. 2, 1923
Tucker, Philip M.	Pres. Philip M. Tucker Co., 201 Devonshire St., Boston, Mass.	Ac. Apr. 25, 1912
Tuley, Philip S.	Pres. Louisville Cotton Mills Co., 1318 McHenry St., Louisville, Ky.	Ac. Oct. 18, 1900
Tunstall, Harry	12 Maple Ave., Fairhaven, Mass.	Ac. Sept. 21, 1905
Turner, Chas. A.	Pres. Chester Lace Mills, Chester, Pa.	Ac. Mar. 7, 1924
Twiss, William D.	Agt. Everett Mills, Lawrence, Mass.	Ac. Apr. 29, 1896
Underdown, Walter H.	Treas. New Bedford Cotton Mills Corp., New Bedford, Mass.	Ac. Sept. 23, 1909
Underwood, Chas. S.	Hunter Mfg. & Comm. Co., 58 Worth St., New York City.	Ac. Jan. 11, 1924
United Piece Dye Wks.	Albert Blum, Treas., Lodi, N. J.	Sus. Feb. 12, 1918
Vaughan, Wanton	Treas. Chace Mills, Fall River, Mass.	Ac. Feb. 5, 1926
Vermilye, Wm. M.	930 Madison Ave., Plainfield, N. J.	Ac. Oct. 5, 1923
Vickery, Robert G.	Cabot Mfg. Co., 77 Franklin St., Boston, Mass.	Ac. June 1, 1923
Viscose Co., The	C. C. Bassett, Jr., 171 Madison Ave., New York City.	Sus. Jan. 17, 1927
Wade Publishing Co., The	Frederick L. Babcock, Editor, Cambridge, Mass.	Sus. Apr. 6, 1922
Wadleigh, Jude C.	Agt. Merrimack Mfg. Co., Lowell, Mass.	Ac. Oct. 26, 1892
Wagg, Frederick E.	Agt. Hill Mfg. Co., 487 Main St., Lewiston, Me.	{ Mar. 2, 1922 L. Mar. 2, 1922
Walcott, Charles	Treas. Hill Mfg. Co., Lewiston, Me.	S.R. June 15, 1923
Walen, E. Dean	Asst. Agt. Pacific Mills, Lawrence, Mass.	Ac. May 3, 1921
Walker, Edward P.	E. P. Walker & Co., 60 Beaver St., New York City.	As. Apr. 29, 1915
Walker, Frank A.	Leary & Walker, New Bedford, Mass.	As. Apr. 16, 1926
Walker, Thomas H.	Asst. Treas. Lorraine Mfg. Co., Pawtucket, R. I.	Ac. Apr. 24, 1923
Wallace, Robert S.	Treas. Fitchburg Yarn Co., Fitchburg, Mass.	Ac. Apr. 25, 1912
Walmsley, Herbert	620 West 116th St., New York City.	Ac. Sept. 30, 1908
Walsh, Frederick T.	12 Valentine St., West Newton, Mass.	Ac. Apr. 28, 1897

		Elected	
Walsh, James J.	S. D. Bush & Co., 153 Milk St., Boston, Mass.	As.	June 1, 1923
Wampanoag Mills	Albion C. Cook, Treas., Fall River, Mass.	Sus.	Dec. 7, 1917
Wamsutta Mills	C. F. Broughton, Treas., New Bedford, Mass.	Sus.	Sept. 10, 1917
Ward, Benjamin I.	Pres. Bellman Brook Bleachery Co., Fairview, N. J.	Ac.	Sept. 30, 1908
Warren, Edward A.	Hotel Kempton, 237 Berkeley St., Boston, Mass.	As.	Oct. 30, 1917
Warren Mfg. Co.	Wm. S. Pepperell, Treas., Warren, R. I.	Sus.	July 20, 1918
Warwick Mills	Charles O. Richardson, Treas., 201 Devonshire St., Boston, Mass.	Sus.	Jan. 29, 1919
Washburn, Frederick C.	Washburn, 226 North Water St., New Bedford, Mass.	As.	Dec. 6, 1926
Waterman, Frank E.	Asst. Treas. Butler Mill, New Bedford, Mass.	Ac.	Jan. 30, 1925
Watson, Clifton E.	Mgr. The J. H. Williams Co., Millbury, Mass.	As.	Feb. 2, 1923
Wattles, Fred E.	Asst. Supt. New Hampshire Spinning Mills, Penacook, N. H.	Ac.	Oct. 5, 1899
Watts, Ridley	Ridley Watts & Co., 44 Leonard St., New York City.	Ac.	Apr. 25, 1907
Watts, Ridley & Co.	Ridley Watts, 44 Leonard St., New York City.	Sus.	Nov. 1, 1918
Wauregan Co., The	W. Irving Bullard, Wauregan, Conn.	Sus.	Apr. 1, 1918
Waypoysset Mfg. Co.	E. B. G. Piggott, Asst. Treas., Central Falls, R. I.	Sus.	Jan. 28, 1919
Webster, Joseph W.	Treas. Grinnell Mfg. Corp., New Bedford, Mass.	Ac.	Apr. 28, 1910
Webster, Robert C.	Vice Pres. American Net and Twine Co., 155 Second St., East Cambridge, Mass.	Ac.	June 20, 1927
Wellington, Sears & Co.	Harry L. Bailey, 93 Franklin St., Boston, Mass.	Sus.	Nov. 13, 1924
Wentworth, Philip C.	Treas., National Ring Traveler Co., 257 West Exchange St., Providence, R. I.	As.	May 3, 1921
West, Alexander S.	U. S. Gutta Percha Paint Co., 12 Dudley St., Providence, R. I.	{ L.	Apr. 17, 1908 Apr. 17, 1915
West, William R.	1886 Purchase St., New Bedford, Mass.	Ac.	Sept. 22, 1896
Westerly Textile Co., The	Wells R. Fowler, Westerly, R. I.	Sus.	Apr. 16, 1926
Whidden, William B.	Sales Repres. Celanese Corp. of America, 38 Chauncy St., Boston, Mass.	As.	Nov. 23, 1925
Whipple, Walter	Agt. Nashua Mfg. Co., Nashua, N. H.	Ac.	Sept. 13, 1906

		Elected
Whitaker, James D.	Ac.	May 1, 1924
Agt. Lola Cotton Mills, 683 Atlantic Ave., Boston, Mass.		
Whitaker, James L.	Ac.	Sept. 21, 1905
William Whitaker & Sons, Olney, Philadelphia, Pa.		
Whitaker, Wharton	{ L.	Mar. 15, 1919
V. P. & Gen. Mgr. William H. Haskell Mfg. Co., Pawtucket, R. I.		Mar. 9, 1920
White, John S.	S.R.	Nov. 1, 1920
Morse Chain Co., 141 Milk St., Boston, Mass.		
White, Nelson D.	Ac.	Sept. 11, 1912
Gen. Mgr. N. D. White & Sons, Winchendon, Mass.		
Whitehead, H. R.	Ac.	July 10, 1925
Agt. Pepperell Mfg. Co., Biddeford, Me.		
Whitehead, James H.	S.R.	May 31, 1917
Treas. Boston Mfg. Co., 48 Franklin St., Boston, Mass.		
Whitin, Arthur F.	Ac.	Apr. 24, 1895
Pres. Saunders Cotton Mills, Whitinsville, Mass.		
Whitin, Henry T.	Ac.	Apr. 25, 1877
Pres. Paul Whitin Mfg. Co., Northbridge, Mass.		
Whitin Machine Wks.	Sus.	Nov. 1, 1918
E. Kent Swift, Treas., Whitinsville, Mass.		
Whitin, Paul	Ac.	Oct. 1, 1903
Treas. Paul Whitin Mfg. Co., Northbridge, Mass.		
Whitin, Paul, Mfg. Co.	Sus.	Jan. 22, 1918
Henry T. Whitin, Pres., Northbridge, Mass.		
Whitin, Richard C.	Ac.	Jan. 11, 1926
Asst. Treas. Paul Whitin Mfg. Co., Northbridge, Mass.		
Whiting, George H.	As.	June 14, 1926
B. H. Dickson & Co., 141 Milk St., Boston, Mass.		
Whitman, Clarence, & Son, Inc.	Sus.	Nov. 1, 1918
C. Morton Whitman, Vice Pres., 21 East 26th St., New York City.		
Whitman, C. Morton	S.R.	Nov. 1, 1918
Vice Pres. Clarence Whitman & Son, Inc., 21 East 26th St., New York City.		
Whitman, Harold C.	Ac.	Apr. 25, 1907
Treas. The Esmond Mills, 21 East 26th St., New York City.		
Whitman, Hendricks H.	Ac.	Apr. 29, 1915
Pres. Monomac Spinning Co., 78 Chauncy St., Boston, Mass.		
Whitman, Malcolm D.	As.	Apr. 25, 1912
William Whitman Co., Inc., 25 Madison Ave., New York City.		
Whitman Mills	Sus.	Feb. 8, 1918
Albert G. Mason, Treas., New Bedford, Mass.		
Whitman, William	Ac.	Apr. 25, 1901
Pres. Nonquitt Spinning Co., P. O. Box 100, Essex Station, Boston, Mass.		
Whittaker, John G.	Ac.	Apr. 17, 1908
Mgr. Lincoln Bleachery & Dye Works, Lonsdale, R. I.		
Whittenton Mfg. Co.	Sus.	Jan. 30, 1925
John S. Farlow, Asst. Treas., 50 State St., Boston, Mass.		
Whittier, Stephen T.	Ac.	Apr. 13, 1911
Hamilton Mfg. Co., 34 Thomas St., New York City.		

		Elected
Whittier, W. R. B.	Treas. Whittier Mills, Chattahoochee, Ga.	Ac. Oct. 18, 1900
Wiggin, Frederic S.	20 Dunnell St., Pawtucket, R. I.	Ac. Oct. 29, 1918
Wiley, Jesse S.	Treas. Columbus Mfg. Co., 201 Devonshire St., Boston, Mass.	Ac. May 5, 1922
Wilkinson, William T.	Asst. Supt. Aldrich Bros. Co., Moosup, Conn.	Ac. Apr. 16, 1926
Williams, Walter S.	Mount Hope Finishing Co., North Dighton, Mass.	Ac. Apr. 30, 1909
Wilson, James A.	Pres. & Treas. J. A. Gowdey Reed & Harness Co., P. O. Box 397, Providence, R. I.	As. June 5, 1925
Winchester, William E.	Vice Pres. Deering, Milliken & Co., Inc., 79 Leonard St., New York City.	Ac. Apr. 24, 1902
Windle, J. H.	Selling Agt. Fales & Jenks Machine Co., Pawtucket, R. I.	As. Oct. 5, 1920
Winsor, Robert	Kidder, Peabody & Co., 115 Devonshire St., Boston, Mass.	Ac. Apr. 28, 1910
Winsper, Samuel F.	Supt. City Manufacturing Corp., New Bedford, Mass.	Ac. May 3, 1918
Winterbottom, John W.	Supt. Nashua Mfg. Co., Nashua, N. H.	Ac. Nov. 23, 1925
Witherbee, Rex G.	Utica Steam & Mohawk Valley Cotton Mills, 801 State St., Utica, N. Y.	Ac. Apr. 26, 1906
Wixen, Walter James	Treas. Sterling Ring Traveler Co., 101 Lindsey St., Fall River, Mass.	As. Nov. 10, 1922
Wclff, Charles, 3rd	Supt. Canadian-Connecticut Cotton Mills, Ltd., Sherbrooke, P. Q., Canada.	Ac. June 14, 1926
Wonalcant Co.	James R. Everett, Vice Pres. & Gen. Mgr., 125 Summer St., Boston, Mass.	Sus. Mar. 15, 1918
Wood, John P.	521 North 22d St., Philadelphia, Pa.	Ac. Apr. 28, 1897
Woodbury, W. Sanford	143 Pleasant St., Easthampton, Mass.	Ac. Mar. 2, 1922
Woodman, Cyrus	Newmarket Mfg. Co., Newmarket, N. H.	Ac. Apr. 6, 1922
Woolley, Erving Y.	Lee, Higginson & Co., 70 Federal St., Boston, Mass.	As. Apr. 6, 1923
Woolley, Frank F.	Agt. Coventry Co., Anthony, R. I.	Ac. Apr. 27, 1905
Worsnop, William	Agt. Cabot Mfg. Co., Brunswick, Me.	Ac. Nov. 1, 1923
Wylde, Harry	979 Essex St., Lawrence, Mass.	Ac. Apr. 13, 1911

			Elected	
York Manufacturing Co.			Sus.	Aug. 1, 1923
Frederic C. McDuffie, Treas., 49 Federal St., Boston, Mass.				
Young, Alan V.			Ac.	Sept. 11, 1915
Mgr. Hamilton Cotton Co., Hamilton, Ontario, Canada.				
Young, A. McLean			S.R.	Apr. 24, 1918
Treas. Queen City Cotton Co., Burlington, Vt.				
Young, Charles William			Ac.	Oct. 5, 1923
Supt. Goodyear Cotton Mills, Inc., Goodyear, Conn.				
Zuill, Robert W.			S.R.	July 20, 1918
Treas. Cornell Mills, Fall River, Mass.				
Zylstra, William C.			Ac.	June 14, 1926
Supt. Nyanza Mills, Woonsocket, R. I.				

RECAPITULATION OF MEMBERSHIP

By CLASSES

Active members	622
Associate members	202
Sustaining members	159
Life members	33
Honorary members	4
Technical members	6
Junior Technical members	4
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